

FOR OFFICIAL USE.

MONTHLY RETURN
OF THE
BIRTHS, DEATHS, AND MARRIAGES
IN SIXTEEN OF THE PRINCIPAL TOWNS OF
SCOTLAND.

JANUARY 1922.

Published by Authority of the Registrar-General.

REPORT.

In recent Monthly Reports Fifteen of the Principal Towns were dealt with, but as the Burgh of Dunfermline at the recent Census was found to have a population of over 30,000 it now falls to be included, and the number is raised to Sixteen. This change from Fifteen to Sixteen towns seriously interferes with comparison of the figures now given with those of previous months. Comparison between rates now found and those of previous months, though in some respects faulty, is, however, used.

During the month of January 1922 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 5776 living children, of whom 3048 were males, and 2728 were females.

The monthly birth-rate was 28·7 per thousand of the aggregate population of these towns. This rate is 2·6 more than that of the previous month, 2·7 more than the mean of those of the preceding three months, and 3·9 more than that of January of last year. In the individual towns this rate varied from 35·1 in Hamilton, 33·3 in Motherwell and Wishaw, and 33·2 in Coatbridge, to 20·7 in Perth, 22·5 in Edinburgh, and 23·6 in Clydebank. In Kirkcaldy this rate was 32·7, in Glasgow 31·2, in Dundee 31·0, in Greenock 28·9, in Kilmarnock 28·9, in Ayr 28·1, in Paisley 26·7, in Dunfermline 26·4, in Falkirk 26·1, and in Aberdeen 25·8.

Of the total children whose births were registered during the month 5369, or 93·0 per cent., were legitimate, while 407, or 7·0 per cent., were illegitimate. The illegitimate rate of the month is 0·7 more than that of the previous month, 0·1 more than the mean of those of the three preceding months, but is the same as that of January of last year. In the individual towns the illegitimate rate varied from 13·8 in Aberdeen, 10·0 in Dundee, 9·3 in Ayr, and 9·1 in Edinburgh, to 2·2 in Dunfermline, 3·1 in Motherwell and Wishaw, and 4·0 in Coatbridge. In

Kilmarnock this rate was 6·8, in Falkirk 6·8, in Glasgow 6·0, in Greenock 6·0, in Hamilton 5·9, in Paisley 5·7, in Kirkcaldy 5·5, in Clydebank 5·3, and in Perth 5·2.

Marriages registered during the month numbered 2269, and the equivalent marriage rate is 11·3 per thousand. This rate is 1·3 more than that of the previous month, and 2·7 more than the mean of those of the three preceding months, but is 3·8 less than that of January of last year. In the individual towns this rate varied from 17·3 in Falkirk, 14·0 in Kirkcaldy, 13·9 in Perth, and 13·4 in Ayr, to 4·0 in Clydebank, 5·5 in Greenock, and 6·9 in Paisley. In Glasgow this rate was 13·1, in Dundee 11·6, in Edinburgh 10·8, in Aberdeen 9·6, in Coatbridge 9·6, in Dunfermline 8·3, in Kilmarnock 7·9, in Motherwell and Wishaw 7·3, and in Hamilton 7·1.

Deaths registered in these towns during the month numbered 6905, 3335 being males and 3570 females. These deaths include those of 308 non-residents, but exclude those of 193 residents of these towns dying elsewhere in Scotland, and the difference, 115, falls to be deducted to get the corrected number for the month, which is thus found to be 6790.

The monthly death-rate, corrected, is 33·7. It is 19·0 more than that of the previous month, 19·8 more than the mean of the three preceding months, and 17·6 more than that of January of last year. It is the highest principal town monthly death-rate recorded since the month of February 1895. During the influenza epidemic of 1918-1919 the highest principal town death-rate was 33·0 per thousand, and occurred in February 1919. In the individual towns the monthly death-rate varied from 40·3 in Glasgow, 37·5 in Perth, 34·8 in Coatbridge, and 34·2 in Kirkcaldy, to 18·0 in Ayr, 19·9 in Clydebank, and 21·2 in Motherwell and Wishaw. In Dundee this rate was 32·2, in Greenock 30·9, in Falkirk 30·4, in Edinburgh 29·9, in Paisley 29·8, in Aberdeen 25·9, in Hamilton 25·6, in Kilmarnock 23·6, and in Dunfermline 22·4.

Deaths of children of less than one year old number 1133. This number equals an infantile mortality rate of 206 per thousand of the average number of births registered in these towns during the preceding twelve months. This rate is 117 more than that of the previous month, 112 more than the mean of those of the three preceding months, and 93 more than that of January of last year. This monthly infantile mortality rate is higher than all monthly rates previously published, and that is since 1901, the year in which the calculation and publication of such rates commenced. In the individual towns this rate ranged from 321 in Perth, 265 in Glasgow, 216 in Kirkcaldy, and 205 in Paisley, to 66 in Ayr, 73 in Kilmarnock, 90 in Hamilton, and 92 in Clydebank. In Coatbridge it was 174, in Aberdeen 173, in Dundee 166, in Dunfermline 157, in Edinburgh 152, in Greenock 150, in Falkirk 117, and in Motherwell and Wishaw 105.

Deaths from the principal epidemic diseases numbered 530, and equal a death-rate of 2·6 per thousand. This death-rate is 1·6 more than that of the previous month, 1·7 more than the mean of the three preceding months, and 1·7 more than that of January of last year. These deaths include 3 from enteric fever, 296 from measles, of which 289 were in Glasgow, 21 from scarlet fever, 123 from whooping-cough, 39 from diphtheria, and 48 from the diarrhoeas of childhood. Deaths from measles in Glasgow numbered 213 more than in the previous month, and this largely explains the high principal epidemic diseases death-rate now recorded.

Deaths attributed to influenza numbered 1257. In the previous month, in the Fifteen towns, this included, in the monthly report, the corresponding figure of 43. Of all those dying from this cause 711 were females and 546 were males. Of them 263 were children of less than five years old, 646 persons of between five and sixty-five years old, and 348 were persons aged sixty-five and over.

Deaths from all diseases of the respiratory system, other than phthisis, and exclusive of those associated with influenza, numbered 2205. In the previous month, in the Fifteen principal towns, the corresponding figure was 595. These 2205 deaths included 1255 ascribed to pneumonia, and 848 to bronchitis.

Deaths from all forms of tuberculosis numbered 315, of which 238 were ascribed to tuberculosis of the respiratory system.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JANUARY 1922.

Mean barometric pressure, 29.704 in.; less than the average of 1881-1915 by 0.164 in.

Mean temperature, 37°.0; less by 0°.9.

Mean daily range of temperature, 7°.4; less by 1°.6.

Rain, number of days, 22; greater by 4 days.

Rain, depth in inches, 4.20; greater by 1.00 in.

Wind, direction of: 7 days' excess of winds from east and south-east.

Hence the month was characterised by a low mean pressure; a slightly low mean temperature, with a low mean daily range; a high mean rainfall; and a large excess of easterly and south-easterly winds.

Disturbed conditions were much in evidence, and on 15th during the passage of a trough of low pressure across our Islands the barometer fell fully 1 inch. At Edinburgh, at sea-level, pressure was above 30 in. on 4th and 5th, from 10th to 14th, and from 22nd to 24th; and the extremes were 30.42 in. on 12th and 28.96 in. on 15th.

Some considerable temperature fluctuations occurred. The 1st was nearly everywhere the mildest day of the month, with 57° at Aberdeen and elsewhere. On 3rd cold weather set in for a few days, and later, around 18th, very wintry conditions prevailed, with 8° at Eskdalemuir and West Linton on night of 17th-18th. Another incursion of cold around 24th was less severe in Scotland than in England. With short spells of comparatively high temperature the mean of the month in some districts differed little from the normal. For the chief towns the extremes were 57° at Aberdeen and Perth on 1st, and 18° at Perth on 21st.

Very heavy rains on 1st (3.27 in. at Leadhills), were followed by a short dry spell in eastern districts, whilst at places in the west "rain" fell on every day from 1st to 21st. During the third and fourth weeks precipitation consisted largely of snow, with some large amounts on 15th. In southern districts and towards north-east the month was a very wet one, with fully twice the normal at Logie Coldstone, Lednathie (near Kirriemuir), and in Wigtownshire; towards south-east aggregates differed little from the normal; whilst in the West Highlands there was a decided deficiency, and Fort William had only 57 per cent. of the normal. At Aberdeen the month was the wettest January since 1903.

There was a great deal of very stormy weather, especially in north and north-east; on 3rd a severe snowstorm developed in north-east, spreading southwards on 4th and 5th. Later, snow in some districts on 13th and 14th was followed by a widespread snowstorm of great severity on 15th, with further heavy falls on various days until nearly the end of the month.

Thunderstorms occurred in the extreme north on 10th, and here and there between 18th and 20th.

The month was a very cloudy one in the north, whilst in south-east sunshine aggregates practically equalled the normal.

Aurora was rather widely observed on 8th and 18th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 8.

Abstract.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, JANUARY 1922.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.		DEATHS.				
	Census 1921.	Estimated to middle of 1922.	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.	Males.	Females.	Total.	Out.	In.	Total Corrected.	
GLASGOW, .	1,034,069	1,037,800	1437	1312	2749	2583	166	1155	1799	1784	3583	112	82	3553
EDINBURGH, .	420,281	420,500	446	357	803	730	73	384	487	632	1119	65	13	1067
DUNDEE, .	168,217	167,600	229	212	441	397	44	165	192	282	474	21	6	459
ABERDEEN, .	158,969	158,700	194	154	348	300	48	129	185	173	358	23	14	349
PAISLEY, .	84,837	85,000	101	92	193	182	11	50	105	118	223	11	3	215
GREENOCK, .	81,120	81,800	107	94	201	189	12	38	118	110	228	17	4	215
MOTHERWELL AND WISHAW, .	68,869	69,300	105	91	196	190	6	43	60	59	119	2	8	125
CLYDEBANK, .	46,515	47,500	47	48	95	90	5	16	26	37	63	0	17	80
COATBRIDGE, .	43,909	44,000	59	65	124	119	5	36	69	56	125	0	5	120
DUNFERMLINE, .	39,886	41,000	43	49	92	90	2	29	45	47	92	16	2	78
KIRKCALDY, .	39,591	39,600	58	52	110	104	6	47	47	58	105	2	12	115
HAMILTON, .	39,420	39,500	68	50	118	111	7	24	38	46	84	3	5	86
KILMARNOCK, .	35,756	35,900	47	41	88	82	6	24	36	30	66	8	14	72
AYR, .	35,741	36,100	41	45	86	78	8	41	28	32	60	9	4	55
FALKIRK, .	33,312	33,300	38	36	74	69	5	49	50	38	88	5	3	86
PERTH, .	33,208	33,000	28	30	58	55	3	39	50	68	118	14	1	105
TOTAL . (SIXTEEN TOWNS)	2,323,814	2,370,600	3048	2728	5776	5369	407	2269	3335	3570	6905	308	193	6790

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, JANUARY 1922.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncorrected.	Corrected.						
GLASGOW, .	31·2	6·0	13·1	40·6	40·3	4·3	1·8	1·4	15·5	683	265
EDINBURGH, .	22·5	9·1	10·8	31·3	29·9	1·0	1·4	1·0	7·5	122	152
DUNDEE, .	31·0	10·0	11·6	33·3	32·2	0·4	1·8	1·4	10·2	65	166
ABERDEEN, .	25·8	13·8	9·6	26·6	25·9	2·4	1·7	1·3	4·5	64	173
PAISLEY, .	26·7	5·7	6·9	30·9	29·8	1·0	1·0	1·0	10·4	39	205
GREENOCK, .	28·9	6·0	5·5	32·8	30·9	1·2	2·6	1·7	9·1	31	150
MOTHERWELL AND WISHAW, .	33·3	3·1	7·3	20·2	21·2	0·3	0·5	0·5	5·4	19	105
CLYDEBANK, .	23·6	5·3	4·0	15·6	19·9	0·2	0·7	0·5	5·2	10	92
COATBRIDGE, .	33·2	4·0	9·6	33·4	34·8	5·6	0·3	0·3	11·2	20	174
DUNFERMLINE, .	26·4	2·2	8·3	26·4	22·4	0·0	0·9	0·8	5·2	13	157
KIRKCALDY, .	32·7	5·5	14·0	31·2	34·2	3·0	0·3	0·3	7·4	19	216
HAMILTON, .	35·1	5·9	7·1	25·0	25·6	1·5	0·9	0·9	6·5	10	90
KILMARNOCK, .	28·9	6·8	7·9	21·6	23·6	1·3	1·6	1·3	1·6	6	73
AYR, .	28·1	9·3	13·4	19·6	18·0	1·0	1·3	0·7	3·3	5	66
FALKIRK, .	26·1	6·8	17·3	31·1	30·4	2·5	1·8	1·1	9·5	9	117
PERTH, .	20·7	5·2	13·9	42·1	37·5	2·1	1·4	0·4	8·2	18	321
TOTAL . (SIXTEEN TOWNS)	28·7	7·0	11·3	34·3	33·7	2·6	1·6	1·2	11·0	1133	206

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR JANUARY 1922, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth- rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM									* Infantile Mortality Rate.	Mean Temperature (Seven Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping- Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
JAN. 1922,	28·7	7·0	11·3	33·7	3	0	296	21	123	39	48	206	37°·0		
JAN. 1921,	26·1	7·0	15·9	16·9	1	7	18	18	60	34	66	113	41°·8		
JAN. 1920,	34·1	6·9	16·6	16·9	4	0	65	8	20	39	37	128	35°·7		
JAN. 1919,	20·3	10·7	11·4	18·4	1	0	10	9	110	44	29	152	37°·2		
JAN. 1918,	20·1	8·2	10·9	16·9	2	0	105	6	79	32	44	124	36°·3		
JAN. 1917,	23·1	7·1	10·9	19·0	2	0	79	6	51	41	58	129	36°·1		
JAN. 1916,	23·9	6·7	12·6	14·8	6	0	93	51	17	58	41	98	43°·8		
JAN. 1915,	26·2	6·8	11·7	21·9	12	0	32	53	261	53	49	151	37°·6		
JAN. 1914,	27·0	7·5	12·3	20·6	4	0	183	45	29	65	47	151	33°·7		
JAN. 1913,	28·4	7·2	10·9	19·1	8	0	13	22	174	46	49	133	37°·6		
JAN. 1912,	27·0	6·3	11·7	18·6	14	0	205	33	72	53	38	132	37°·5		

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—January 1922.

CAUSES OF DEATH.			To tal.	Males.	Females.	Age.														
						-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85-			
Enteric Fever	-	-	-	-	-	3	2	1	-	-	-	1	1	-	1	-	-	-		
Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Measles	-	-	-	-	-	296	164	132	64	224	7	-	1	-	-	-	-	-		
Scarlet Fever	-	-	-	-	-	21	4	17	1	10	4	-	4	1	-	-	1	-		
Whooping-cough	-	-	-	-	-	123	59	64	38	83	2	-	-	-	-	-	-	-		
Diphtheria	-	-	-	-	-	39	22	17	2	25	11	1	-	-	-	-	-	-		
Influenza	-	-	-	-	-	1257	546	711	116	147	8	5	77	146	111	132	167	214		
Encephalitis Lethargica	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cerebro-spinal Meningitis	-	-	-	-	-	7	6	1	3	3	1	-	-	-	-	-	-	-		
Other Epidemic Diseases	-	-	-	-	-	19	8	11	6	3	-	-	2	-	1	3	3	1		
Tuberculosis of Respiratory System	-	-	-	-	-	238	131	107	-	10	6	4	43	66	42	30	25	10		
Tuberculous Meningitis	-	-	-	-	-	28	14	14	9	12	3	3	-	1	-	-	-	-		
Tuberculosis of Intestines and Peritoneum	-	-	-	-	-	19	10	9	5	6	-	1	5	-	1	1	-	-		
Other Tuberculous Disease	-	-	-	-	-	30	17	13	2	3	2	4	12	2	2	2	-	1		
Malignant Tumours	-	-	-	-	-	300	122	178	-	-	-	-	3	7	15	71	73	83		
Rheumatic Fever	-	-	-	-	-	5	1	4	-	-	1	1	1	-	1	-	-	-		
Meningitis (not Cer.-spin. or Tuberc.)	-	-	-	-	-	26	13	13	15	6	1	-	3	-	-	-	-	-		
Apoplexy	-	-	-	-	-	297	140	157	-	-	-	-	1	2	11	27	61	109		
Heart Disease	-	-	-	-	-	410	167	243	1	-	1	5	10	21	33	58	87	107		
Diseases of Arteries	-	-	-	-	-	41	20	21	-	-	-	-	-	-	2	7	12	15		
Bronchitis	-	-	-	-	-	848	385	463	91	64	3	-	5	19	30	69	147	249		
Pneumonia (all forms)	-	-	-	-	-	1255	681	574	350	499	18	8	33	49	65	48	60	78	44	
Other Diseases of Respiratory System	-	-	-	-	-	102	52	50	14	9	4	1	2	11	7	8	10	18	5	
Diarrhoea and Enteritis (under 2 years)	-	-	-	-	-	48	25	23	38	10	-	-	-	-	-	-	-	-		
Appendicitis	-	-	-	-	-	18	10	8	-	2	1	6	-	3	1	3	1	1	-	
All Diseases of Liver (not Malignant)	-	-	-	-	-	24	11	13	-	-	-	1	-	5	6	3	6	3	-	
Nephritis, Acute and Chronic	-	-	-	-	-	113	65	48	-	2	1	1	3	5	12	17	40	24	8	
Puerperal Sepsis	-	-	-	-	-	15	-	15	-	-	-	-	5	9	1	-	-	-	-	
Other Dis. & Accidents of Preg. & Part.	-	-	-	-	-	34	-	34	-	-	-	-	10	6	18	-	-	-	-	
Diseases of Early Infancy and Malform.	-	-	-	-	-	298	163	135	295	2	-	-	1	-	-	-	-	-	-	
Suicide	-	-	-	-	-	15	11	4	-	-	-	-	1	3	3	3	4	1	-	
Other Violent Deaths	-	-	-	-	-	109	69	40	8	12	3	1	10	15	13	10	13	9	12	
Other Defined Diseases	-	-	-	-	-	686	322	364	74	32	4	7	25	37	50	64	68	124	153	
Causes Ill-defined or Unknown	-	-	-	-	-	66	32	34	1	6	1	-	2	6	3	13	15	15	4	
						6790	3272	3518	1133	1168	83	44	267	406	428	566	788	1052	724	131

Causes of Death.

DEATHS IN EACH TOWN (corrected for Transfers)—January 1922.

CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	3	1	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	296	289	4	...	...	2	...	...	...
Scarlet Fever	...	21	10	5	...	3	...	...	1	...
Whooping-cough	...	123	31	15	...	25	3	7	1	...
Diphtheria	...	39	22	7	1	2	...	1	...	1
Influenza	...	1257	566	253	73	43	48	40	43	18
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	7	6	...	...	...	...	...	...	1
Other Epidemic Diseases	...	19	13	1	...	2	1	2	...	...
Tuberculosis of Respiratory System	...	238	125	35	20	18	7	12	3	2
Tuberculous Meningitis	...	28	11	6	2	1	...	3	...	...
Tuber. of Intestines and Peritoneum	...	19	8	2	1	2	...	1	...	1
Other Tuberculous Disease	...	30	15	8	2	2	...	2	...	...
Malignant Tumours	...	300	132	61	24	23	10	11	6	3
Rheumatic Fever	...	5	2	2	...	1	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	26	13	5	1	2	...	2	...	...
Apoplexy	...	297	148	50	24	19	9	8	5	1
Heart Disease	...	410	139	104	39	34	9	10	5	7
Diseases of Arteries	...	41	22	10	3	2	...	1	...	...
Bronchitis	...	848	476	120	68	25	30	25	17	8
Pneumonia (all forms)	...	1255	850	127	64	30	44	36	11	13
Other Diseases of Respiratory System	...	102	42	21	13	6	1	2	4	...
Diarrhoea and Enteritis (under 2 years)	...	48	30	4	4	3	2	...	...	...
Appendicitis	...	18	6	5	3	...	1	2	...	...
All Diseases of Liver (not Malignant)	...	24	10	1	4	4	...	2	...	1
Nephritis, Acute and Chronic	...	113	52	19	9	9	5	3	2	1
Puerperal Sepsis	...	15	10	...	3	1	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	34	15	3	4	1	...	4	1	2
Dis. of Early Infancy and Malformations	...	298	131	41	31	20	13	12	7	3
Suicide	...	15	9	4	...	...	...	...	...	...
Other Violent Deaths	...	109	49	18	10	10	4	3	2	3
Other Defined Diseases	...	686	288	133	48	54	24	23	15	15
Causes Ill-defined or Unknown	...	66	32	3	8	7	2	3	2	...
All Causes	...	6790	3553	1067	459	349	215	215	125	80
AGE AT DEATH.										
Under 1	...	1133	683	122	65	64	39	31	19	10
1- 4	...	1168	815	99	23	33	24	40	15	8
5- 9	...	83	47	6	4	7	1	6	0	...
10-14	...	44	15	13	4	2	3	1	1	...
15-24	...	267	126	39	20	13	5	17	9	8
25-34	...	406	208	57	35	26	6	13	6	5
35-44	...	428	207	78	33	15	14	11	8	5
45-54	...	566	271	97	34	38	25	19	12	12
55-64	...	788	364	141	67	39	31	26	20	12
65-74	...	1052	489	215	95	52	35	25	18	11
75-84	...	724	281	166	68	52	27	22	13	8
85 and over	...	131	47	34	11	8	5	4	4	1
All Ages	...	6790	3553	1067	459	349	215	215	125	80

DEATHS IN EACH TOWN (corrected for Transfers)—January 1922—continued.

		CAUSES OF DEATH.								
		Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.	
Enteric Fever	...	1								1
Typhus Fever	...									...
Small-pox	...									...
Measles	...			1						...
Scarlet Fever	...			1	1					...
Whooping-cough	...	18	10	2				6	5	
Diphtheria	...			1	1	1	2	1	...	
Influenza	...	20	34	36	24	14	8	13	24	
Encephalitis Lethargica	...									...
Cerebro-spinal Meningitis	...									...
Other Epidemic Diseases	...									...
Tuberculosis of Respiratory System	...	1	1	1	3	4	2	3	1	
Tuberculous Meningitis	...		1	...		1		1	2	
Tuber. of Intestines and Peritoneum	...		1	...		...	1	1	1	
Other Tuberculous Disease	...						1	...	...
Malignant Tumours	...	5	2	4	2	5	4	3	5	
Rheumatic Fever	...									...
Meningitis (not Cerebro-spinal or Tuber.)	1							1	1	
Apoplexy	...	3	2	5	1	10	4	4	4	
Heart Disease	...	11	4	14	9	3	5	7	10	
Diseases of Arteries	...						1	1	1	
Bronchitis	...	18	7	15	5	3	6	10	15	
Pneumonia (all forms)	...	24	9	8	14	1	4	14	6	
Other Diseases of Respiratory System	...		2	2	3	1		3	2	
Diarrhoea and Enteritis (under 2 years)	2					2	1			
Appendicitis	...				1					...
All Diseases of Liver (not Malignant)	...				1		1			...
Nephritis, Acute and Chronic	...	1		2	1	3	3		3	
Puerperal Sepsis	...				1					...
Other Diseases and Accidents of Pregnancy and Parturition	...			1	1		1			...
Dis. of Early Infancy and Malformations	4	6	7	5	3	3	3	2	10	
Suicide	...					1			1	
Other Violent Deaths	...	1	1			5	2	1	...	
Other Defined Diseases	...	16	8	8	10	13	5	15	11	
Causes Ill-defined or Unknown	...	3		2	...	1	1		2	
All Causes	...	130	78	115	86	72	55	86	105	
AGE AT DEATH.										
Under 1	...	20	13	19	10	6	5	9	18	
1- 4	...	41	6	13	16	5	4	15	11	
5- 9	...	3	2	1	...	3	1	2	...	
10-14	...		1	...	1	...	2		1	
15-24	...	4	2	6	5	4	3	3	3	
25-34	...	9	9	5	6	5	7	3	6	
35-44	...	8	5	9	8	6	4	8	9	
45-54	...	11	3	15	7	6	5	9	2	
55-64	...	15	11	13	12	7	8	9	13	
65-74	...	11	13	18	12	16	11	12	19	
75-84	...	7	10	16	8	11	4	14	17	
85 and over	...	1	3	...	1	3	1	2	6	
All Ages	...	130	78	115	86	72	55	86	105	

Abstract of Meteorological Observations.

A BSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, ABERDEEN, DUNDEE, EDINBURGH, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of JANUARY 1922.

OBSERVERS.	BARO-METER.	AIR TEMPERATURE.				HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.				WIND DIRECTIONS.						
		Mean of		Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Humidity.		Number of Days.				Number of Observations at 9 A.M. and 9 P.M.						
		Mean at Sea-Level and 32°.	Mean at Station and 32°.	Day of Month.	Maximum.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Day of Month.	Minimum.	Day of Month.	Maximum.	N	NE	E	SE	S	SW	W	NW
		feet.	inch.	°	°	°	°	inch.	°	°	°	°	inch.	inch.	inch.	inch.	inch.	inch.	inch.	
GLASGOW, The Observatory.	184	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
EDINBURGH, Professor R. A. Sampson, F.R.S., Royal Observatory.	441	29.216	29.701	41.0	32.8	36.9	-1.1	53	1st	24	18th	36.4	1.5	.187	.87	.15	1.41	-0.33	0	0
DUNDEE, Alex. Macrae, Curator of Cemeteries.	164	29.518	29.704	39.8	31.5	35.7	-1.4	56	1st	29	18th	35.9	1.0	.194	.92	.21	3.35	+1.40	1	10
ABERDEEN,* The Meteorological Office.	90	29.598	29.700	40.2	35.2	37.7	-0.2	57	1st	23	18th	37.8	1.5	.198	.88	.25	3.79	+1.61	1	0
PAISLEY, The Coats Observatory.	107	29.589	29.710	41.6	33.6	37.6	-1.5	53	1st	24	18th	37.7	1.4	.199	.88	.23	5.13	+1.14	0	2
LEITH,† James Bolam, Navigation School.	76	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GREENOCK,† James Macalister, M.Inst. C.E., Greenock Waterworks.	233	29.446	29.710	41.5	35.0	38.3	-0.1	53	1st	26	18th	37.8	1.2	.204	.90	.25	7.43	+0.59	2	3
PERTH,† John Ritchie, Junr., The Museum.	22	29.671	29.696	39.9	31.6	35.8	-1.2	57	1st	18	21st	21	4.08	+1.57	6	4
Means	165	29.506	29.704	40.7	33.3	37.0	-0.9	37.1	1.3	.196	.89	.22	4.20	+1.00	2	3

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FOR OFFICIAL USE

**MONTHLY RETURN
OF THE
BIRTHS, DEATHS, AND MARRIAGES
IN SIXTEEN OF THE PRINCIPAL TOWNS OF
SCOTLAND.**

FEBRUARY 1922.

Published by Authority of the Registrar-General.

REPORT.

During the month of February 1922 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 5020 living children, of whom 2571 were males, and 2449 females. The male children of the month numbered 477 less than in the previous month, the female 279 less, and the total births 756 less.

The monthly birth-rate was 27·6 per thousand. This rate is 1·1 less than that of the previous month, but is 0·9 more than the mean of those of the three preceding months, and 1·6 more than that of February of last year. In the individual towns the monthly birth-rate varied from 33·8 in Coatbridge, 30·0 in Greenock, 29·7 in Clydebank, 29·1 in Paisley, and 29·0 in Glasgow, to 22·9 in Dunfermline, 23·6 in Edinburgh, and 24·7 in Kirkcaldy. In Hamilton this rate was 28·7, in Aberdeen 28·6, in Motherwell and Wishaw 28·0, in Kilmarnock 28·0, in Ayr 27·8, in Falkirk 27·0, in Dundee 25·7, and in Perth 25·3.

Of the total children whose births were registered during the month 4680, or 93·2 per cent., were legitimate, while 340, or 6·8 per cent., were illegitimate. The illegitimate rate of the month is 0·2 less than that of the previous month, and 0·3 less than that of February of last year, but is 0·1 more than the mean of the rates of the three preceding months. In the individual towns this rate varied from 12·0 in Kirkcaldy, 9·8 in Aberdeen, and 8·4 in Edinburgh, to 1·4 in Dunfermline, 1·8 in Coatbridge, 2·6 in Kilmarnock, and 2·8 in Clydebank. In Perth this rate was 7·8, in Dundee 7·6, in Glasgow 6·9, in Paisley 5·8, in Hamilton 4·6, in Greenock 4·3, in Falkirk 4·3, in Motherwell and Wishaw 4·0, and in Ayr 3·9.

Marriages registered during the month numbered 1293, which is 976 fewer than in the previous month. The monthly marriage-rate was 7·1 per thousand. It is 4·2 less than that of the previous month, 2·4 less than the mean of those of the three preceding months, and 1·1 less than that of February of last year. In the individual towns this rate varied from 8·1 in Edinburgh, 7·7 in Paisley, and 7·6

in Glasgow, to 3·6 in Coatbridge, 4·3 in Kirkcaldy, 4·4 in Clydebank, and 5·4 in Kilmarnock. In Dundee this rate was 6·5, and in Aberdeen 6·8.

Deaths registered in these towns during the month numbered 4476, 2175 being of male and 2301 of female persons. Compared with the numbers registered in the previous month, deaths of males number 1160 less, and of females 1269 less, and the total number 2429 less. These deaths include those of 258 persons with usual residence outwith the town of registration, but exclude those of 179 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 79, falls to be deducted to get the corrected number for the month, which is thus found to be 4397.

The monthly death-rate, corrected, is 24·2 per thousand. It is 9·5 less than that of the previous month, but is 3·3 more than the mean of those of the three preceding months, and 6·5 more than that of February of last year. In the individual towns the monthly death-rate varied from 32·2 in Paisley, 28·7 in Coatbridge, 26·9 in Greenock, and 26·3 in Aberdeen, to 14·9 in Dunfermline, 17·9 in Clydebank, 19·1 in Dundee, and 19·9 in Falkirk. In Glasgow this rate was 25·2, in Motherwell and Wishaw 25·0, in Edinburgh 23·4, in Kilmarnock 22·9, in Perth 22·5, in Ayr 21·0, in Kirkcaldy 20·4, and in Hamilton 20·1.

Deaths of children of less than one year old numbered 857. This number is 276 less than in the previous month, and equals an infantile mortality rate of 172 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is 34 less than that of the previous month, but is 42 more than the mean of those of the three preceding months, and 39 more than that of February of last year. In the individual towns this rate varied from 272 in Paisley, 265 in Coatbridge, 259 in Greenock, and 196 in Aberdeen, to 68 in Dunfermline, 111 in Edinburgh, and 116 in Dundee and in Ayr. In Glasgow this rate was 185, in Clydebank 184, in Motherwell and Wishaw 178, in Falkirk 174, in Kilmarnock 173, in Kirkcaldy 152, in Hamilton 140, and in Perth 135.

Deaths from the principal epidemic diseases numbered 442, and equal a death-rate of 2·4 per thousand. This death-rate is 0·2 less than that of the previous month, but is 1·0 more than the mean of those of the three preceding months, and 0·8 more than that of February of last year. These deaths include 237 from measles, 16 from scarlet fever, 105 from whooping-cough, 33 from diphtheria, and 51 from the diarrhoeas of childhood. No deaths from enteric fever were registered in these towns during the month. Compared with the numbers registered in the previous month, deaths from measles are 59 fewer, from whooping-cough 18 fewer, from diphtheria 6 fewer, and from scarlet fever 5 fewer, but those from the diarrhoeas of childhood are 3 more. In the previous month 3 deaths from enteric fever were recorded.

Deaths attributed to influenza numbered 507. In the previous month they numbered 1257, and thus the difference is a decline of 750. Of the 507 dying from this cause 234 were males and 273 females. Of them 103 were children of less than five years old, and 168 were persons of sixty-five and over.

Deaths from all diseases of the respiratory system, other than phthisis, and exclusive of those associated with influenza, numbered 1153, and are 1052 fewer than in the previous month. Of these deaths 637 were ascribed to pneumonia, and 454 to bronchitis.

Deaths from all forms of tuberculosis numbered 318, 241 of them being ascribed to tuberculosis of the respiratory system; both of these numbers are 3 more than in the previous month.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

FEBRUARY 1922.

Mean barometric pressure, 29·654 in. ; less than the average of 1881–1915 by 0·189 in.

Mean temperature, 38°·7 ; greater by 0°·4.

Mean daily range of temperature, 8°·4 ; less by 1°·8.

Rain, number of days, 19 ; greater by 3 days.

Rain, depth in inches, 3·58 ; greater by 0·76 in.

Wind, direction of : 8 days' excess of winds from south and south-west.

Hence the month was characterised by a low mean pressure ; a mean temperature differing little from the normal, with a decidedly low mean daily range ; a somewhat high mean rainfall ; and a large excess of southerly and south-westerly winds.

On 4th and 5th there was a rapid recovery from rather disturbed conditions and pressure remained high until 12th, whilst during the second half of the month numerous secondary depressions exerted their influence. At Edinburgh, at sea-level, pressure was above 30 in. from 5th to 12th ; and the extremes there were 30·36 in. on 10th and 28·97 in. on 21st.

After moderate temperature until 3rd, rather cold weather set in over the southern half of Scotland, with 19° at Eskdalemuir on night of 10th–11th, and it is noteworthy that at this time the south of England was much colder than the north of Scotland. Thus, for the week ending 11th a mean temperature of 38°·1 at Aberdeen compared with 34°·5 at London (Richmond) and 37°·2 at Jersey. Temperature remained somewhat low until 20th, with generally mild conditions thereafter and rather high day readings on 24th (60° at Gordon Castle). For the chief towns the extremes were 56° at Aberdeen, Dundee, and Perth on 24th, and 22° at Perth on 12th.

There were moderate to rather heavy rains until 3rd ; snow in most districts on 4th and 5th ; and dry conditions from about 8th to 12th. During the third week precipitation was in general rather heavy, much of it consisting of snow ; whilst later very moderate falls in the east contrasted with heavy rains in the West Highlands. Thus, at Fort William 2·75 in. on 24th was followed by about 1½ in. on 25th and nearly 2 in. on 28th. In the extreme north aggregates were below the normal, but in general there was a moderate to fairly large excess. Thus Tongue had only 47 per cent. of the normal, but Fort William 144, Rothesay 165, and Ardwell (Wigtownshire) 180 per cent. At Dundee about half the month's total was accounted for from 2nd to 4th, whilst at Fort William (10·81 in.) 6·80 in. fell between 24th and 28th.

The weather was extremely stormy on 3rd and 4th ; on 8th, on 24th and 25th ; and on 28th. A snowstorm on 4th and 5th was most severe in eastern districts ; whilst later falls on 14th and on 20th were more general. In the Central Highlands many roads were blocked. With heavy rains and melted snow the Tay and other rivers were in high flood at the end of the month.

Thunderstorms occurred here and there between 17th and 23rd, and rather widely from 26th to 28th.

The month was decidedly cloudy, and in general a large part of the month's sunshine was registered during the last week.

Aurora was observed rather widely on 1st, and here and there on 19th and 26th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 16.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, FEBRUARY 1922.

TOWNS.	POPULATION.		BIRTHS.					DEATHS.						
	Census 1921.	Estimated to middle of 1922.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	MARRIAGES.	Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . .	1,034,069	1,037,800	1171	1138	2309	2149	160	602	1015	1030	2045	108	66	2003
EDINBURGH, . .	420,281	420,500	395	367	762	698	64	260	371	424	795	52	13	756
DUNDEE, . .	168,217	167,600	165	166	331	306	25	84	110	143	253	17	9	245
ABERDEEN, . .	158,969	158,700	178	170	348	314	34	83	152	160	312	20	28	320
PAISLEY, . .	84,887	85,000	96	94	190	179	11	50	108	109	217	10	3	210
GREENOCK, . .	81,120	81,800	97	91	188	180	8	42	87	87	174	6	1	169
MOTHERWELL AND WISHAW, .	68,869	69,300	79	70	149	143	6	29	60	67	127	2	8	133
CLYDEBANK, . .	46,515	47,500	67	41	108	105	3	16	37	15	52	1	14	65
COATBRIDGE, . .	43,909	44,000	62	52	114	112	2	12	47	49	96	4	5	97
DUNFERMLINE, .	39,886	41,000	31	41	72	71	1	21	24	28	52	6	1	47
KIRKCALDY, . .	39,591	39,600	41	34	75	66	9	13	22	29	51	0	11	62
HAMILTON, . .	39,420	39,500	38	49	87	83	4	20	25	31	56	1	6	61
KILMARNOCK, .	35,756	35,900	40	37	77	75	2	15	27	38	65	8	6	63
AYR, . . .	35,741	36,100	34	43	77	74	3	17	28	35	63	10	5	58
FALKIRK, . . .	33,312	33,300	45	24	69	66	3	14	30	22	52	1	0	51
PERTH, . . .	33,208	33,000	32	32	64	59	5	15	32	34	66	12	3	57
TOTAL . . (SIXTEEN TOWNS)	2,323,814	2,370,600	2571	2449	5020	4680	340	1293	2175	2301	4476	258	179	4397

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, FEBRUARY 1922.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PFR 1000 of POPULATION FROM					DEATHS UNDER ONE YEAR OF AGE.		
				All Causes.		Principal Epidemic Diseases.	All Tuber- culosis.	Tuber. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . .	29·0	6·9	7·6	25·7	25·2	3·6	1·9	1·4	7·3	430	185
EDINBURGH, . .	23·6	8·4	8·1	24·6	23·4	1·0	1·7	1·4	4·8	81	111
DUNDEE, . .	25·7	7·6	6·5	19·7	19·1	0·4	1·3	0·9	4·0	41	116
ABERDEEN, . .	28·6	9·8	6·8	25·6	26·3	3·2	1·4	1·2	5·9	65	196
PAISLEY, . .	29·1	5·8	7·7	33·3	32·2	1·7	1·4	1·2	11·4	47	272
GREENOCK, . .	30·0	4·3	6·7	27·7	26·9	1·3	2·7	1·6	8·8	48	259
MOTHERWELL AND WISHAW,	28·0	4·0	5·5	23·9	25·0	1·9	1·7	1·1	5·5	29	178
CLYDEBANK, . .	29·7	2·8	4·4	14·3	17·9	0·8	1·0	1·6	4·4	18	184
COATBRIDGE, .	33·8	1·8	3·6	28·4	28·7	5·9	1·2	0·9	8·3	27	265
DUNFERMLINE,	22·9	1·4	6·7	16·5	14·9	1·3	1·0	1·0	2·2	5	68
KIRKCALDY, .	24·7	12·0	4·3	16·8	20·4	2·3	0·3	0·3	3·6	12	152
HAMILTON, . .	28·7	4·6	6·6	18·5	20·1	1·6	1·3	1·3	5·6	14	140
KILMARNOCK, .	28·0	2·6	5·4	23·6	22·9	1·5	1·8	1·8	4·4	13	173
AYR, . . .	27·8	3·9	6·1	22·8	21·0	0·4	2·2	2·2	6·5	8	116
FALKIRK, . . .	27·0	4·3	5·5	20·3	19·9	2·3	2·3	1·6	5·9	12	174
PERTH, . . .	25·3	7·8	5·9	26·1	22·5	0·4	2·8	2·4	4·3	7	135
TOTAL . . (SIXTEEN TOWNS)	27·6	6·8	7·1	24·6	24·2	2·4	1·7	1·3	6·3	857	172

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR FEBRUARY 1922, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								* Infantile Mortality Rate.	Mean Temperature. (Seven Towns only.)
					(6) Enteric Fever.	(7) Smallpox.	(8) Measles.	(9) Scarlet Fever.	(10) Whooping-Cough.	(11) Diphtheria and Croup.	(12) Diarrhoea (Under 2 Years).			
(1)	(2)	(3)	(4)	(5)										
FEB. 1922,	27.6	6.8	7.1	24.2	0	0	237	16	105	33	51	172	38°.7	
FEB. 1921,	27.3	7.1	8.6	18.6	4	5	19	17	162	42	50	133	40°.9	
FEB. 1920,	33.9	7.9	9.4	15.3	0	0	46	10	21	38	32	129	42°.1	
FEB. 1919,	18.1	9.8	7.8	34.4	1	0	25	10	201	49	32	200	34°.5	
FEB. 1918,	19.6	8.1	7.9	14.5	3	0	63	4	79	29	32	110	42°.3	
FEB. 1917,	21.8	8.6	6.6	19.6	5	0	71	9	106	31	26	124	36°.5	
FEB. 1916,	22.9	7.4	8.2	16.0	6	0	125	45	14	60	31	100	37°.7	
FEB. 1915,	26.8	6.7	6.8	23.4	7	0	45	47	354	39	52	189	38°.3	
FEB. 1914,	27.6	7.3	6.5	17.4	5	0	169	33	24	52	49	140	42°.8	
FEB. 1913,	26.7	8.1	5.5	20.3	8	0	21	10	196	34	42	140	40°.3	
FEB. 1912,	26.4	6.4	5.5	20.8	10	0	252	12	62	56	51	148	39°.3	

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—February 1922.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85-
Enteric Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles	-	-	-	-	237	128	109	53	180	4	-	-	-	-	-
Scarlet Fever	-	-	-	-	16	4	12	1	11	2	1	-	-	-	-
Whooping-cough	-	-	-	-	105	44	61	44	60	1	-	-	-	-	-
Diphtheria	-	-	-	-	33	15	18	5	19	7	-	-	-	-	-
Influenza	-	-	-	-	507	234	273	45	58	5	3	19	51	32	52
Encephalitis Lethargica	-	-	-	-	2	-	2	-	-	-	-	-	74	102	61
Cerebro-spinal Meningitis	-	-	-	-	4	1	3	-	2	2	-	-	-	-	5
Other Epidemic Diseases	-	-	-	-	11	4	7	1	3	-	-	-	-	2	4
Tuberculosis of Respiratory System	-	-	-	-	241	129	114	-	5	5	6	54	61	54	33
Tuberculous Meningitis	-	-	-	-	26	12	14	5	14	4	2	1	-	-	2
Tuberculosis of Intestines and Peritoneum	-	-	-	-	20	11	9	1	8	-	3	5	-	-	1
Other Tuberculous Disease	-	-	-	-	31	16	15	2	7	6	2	5	-	-	2
Malignant Tumours	-	-	-	-	209	87	122	-	-	1	1	8	14	45	60
Rheumatic Fever	-	-	-	-	7	2	5	-	2	2	2	-	-	1	-
Meningitis (not Cer.-spin. or Tuberc.)	-	-	-	-	28	10	18	16	6	3	1	-	-	1	-
Apoplexy	-	-	-	-	262	116	146	-	-	-	-	6	32	58	97
Heart Disease	-	-	-	-	281	120	161	-	1	-	3	9	15	22	61
Diseases of Arteries	-	-	-	-	56	30	26	-	-	-	-	-	-	1	16
Bronchitis	-	-	-	-	454	203	251	71	16	1	-	8	16	87	82
Pneumonia (all forms)	-	-	-	-	637	342	295	209	229	8	3	11	15	13	25
Other Diseases of Respiratory System	-	-	-	-	62	35	27	11	5	-	1	2	1	9	13
Diarrhoea and Enteritis (under 2 years)	-	-	-	-	51	26	25	41	10	-	-	-	-	-	9
Appendicitis	-	-	-	-	16	12	4	-	-	1	2	7	2	1	2
All Diseases of Liver (not Malignant)	-	-	-	-	17	7	10	-	-	-	-	1	3	4	3
Nephritis, Acute and Chronic	-	-	-	-	95	39	56	-	-	-	2	5	7	14	23
Puerperal Sepsis	-	-	-	-	10	-	10	-	-	3	7	-	-	-	7
Other Dis. & Accidents of Preg. & Part.	-	-	-	-	21	-	21	-	-	3	9	-	-	-	-
Diseases of Early Infancy and Malform.	-	-	-	-	268	154	114	265	2	1	-	-	-	-	-
Suicide	-	-	-	-	17	13	4	-	-	-	7	4	2	4	-
Other Violent Deaths	-	-	-	-	92	65	27	3	9	4	3	13	16	12	7
Other Defined Diseases	-	-	-	-	524	242	282	83	19	6	8	13	17	21	45
Causes Ill-defined or Unknown	-	-	-	-	56	38	18	1	6	-	-	2	10	14	17
	4397	2140	2257	857	668	63	41	150	226	223	342	540	672	504	111

DEATHS IN EACH TOWN (corrected for Transfers)—February 1922.

CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	1	...	...	...	...	1	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	237	228	1	...	...	...	4	...	1
Scarlet Fever	...	16	5	5	...	2	...	...	2	1
Whooping-cough	...	105	11	15	...	33	5	7	5	1
Diphtheria	...	33	17	8	...	3	...	...	...	...
Influenza	...	507	154	136	19	45	36	13	32	9
Encephalitis Lethargica	...	2	...	2	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	4	2	1	...	...	...	...	1	...
Other Epidemic Diseases	...	11	7	4	...	...	...	...	...	...
Tuberculosis of Respiratory System	...	241	110	44	11	14	8	10	6	6
Tuberculous Meningitis	...	26	13	4	3	1	...	2	1	1
Tuber. of Intestines and Peritoneum	...	20	8	5	1	1	1	3	1	...
Other Tuberculous Disease	...	31	19	3	2	1	...	2	1	...
Malignant Tumours	...	209	85	45	27	12	5	9	2	4
Rheumatic Fever	...	7	4	1	1	...	...	1	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	28	9	3	...	1	2	1	2	3
Apoplexy	...	262	110	61	21	23	7	6	8	2
Heart Disease	...	281	102	71	17	25	12	10	8	5
Diseases of Arteries	...	56	21	13	4	8	2	1	...	...
Bronchitis	...	454	221	66	27	26	25	24	13	5
Pneumonia (all forms)	...	637	332	74	21	42	48	29	14	10
Other Diseases of Respiratory System	...	62	29	14	4	4	1	2	2	1
Diarrhoea and Enteritis (under 2 years)	...	51	26	2	5	1	2	1	2	1
Appendicitis	...	16	10	2	...	2	1	...	...	...
All Diseases of Liver (not Malignant)	...	17	6	4	1	...	2	1	...	...
Nephritis, Acute and Chronic	...	95	42	23	4	9	1	5	2	...
Puerperal Sepsis	...	10	4	...	2	...	...	1	2	...
Other Diseases and Accidents of Pregnancy and Parturition	...	21	12	1	...	...	...	2	1	...
Dis. of Early Infancy and Malformations	...	268	118	25	20	25	16	13	13	6
Suicide	...	17	9	3	...	3	...	...	...	...
Other Violent Deaths	...	92	44	19	7	2	3	1	3	2
Other Defined Diseases	...	524	225	91	40	33	26	23	11	8
Causes Ill-defined or Unknown	...	56	20	10	8	4	2	2	...	...
All Causes		4397	2003	756	245	320	210	169	133	65
AGE AT DEATH.										
Under 1	...	857	430	81	41	65	47	48	29	18
1- 4	...	668	379	69	13	51	40	23	22	8
5- 9	...	63	31	9	2	1	1	4	4	2
10-14	...	41	21	2	4	3	2	3	1	1
15-24	...	150	74	23	8	7	6	4	5	...
25-34	...	226	88	48	8	19	9	12	10	7
35-44	...	223	101	51	10	11	11	10	2	4
45-54	...	342	158	59	25	14	20	14	12	8
55-64	...	540	249	100	41	40	15	18	18	5
65-74	...	672	246	152	48	58	32	18	19	8
75-84	...	504	191	126	32	44	25	13	10	4
85 and over	...	111	35	36	13	7	2	2	1	...
All Ages		4397	2003	756	245	320	210	169	133	65

DEATHS IN EACH TOWN (corrected for Transfers)—February 1922—continued.

CAUSES OF DEATH.										
			Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	...	1	...	...	1	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	1	...	...	...
Whooping-cough	...	...	14	3	6	1	...	5	...	...
Diphtheria	...	...	2	...	...	...	1	1	1	...
Influenza...	...	...	8	7	8	8	10	12	6	4
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System	...	3	3	1	4	5	6	4	6	...
Tuberculous Meningitis	...	...	...	...	...	...	...	1	...	...
Tuber. of Intestines and Peritoneum	...	...	...	...	...	...	...	...	...	...
Other Tuberculous Disease	...	1	...	...	...	...	...	1	1	1
Malignant Tumours	...	2	1	5	4	3	...	2	3	...
Rheumatic Fever	...	...	...	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	4	1	...	...	...	1	...	1	1
Apoplexy	...	5	4	5	2	5	...	1	...	2
Heart Disease	...	3	2	6	3	3	2	3	3	9
Diseases of Arteries	...	...	...	...	...	4	1	1	1	1
Bronchitis	...	14	4	8	3	5	6	3	3	4
Pneumonia (all forms)	...	14	2	2	12	7	12	12	12	6
Other Diseases of Respiratory System	...	1	1	2	...	...	...	...	...	1
Diarrhoea and Enteritis (under 2 years)	...	3	1	1	3	2	...	...	...	1
Appendicitis	...	...	...	...	...	...	1	...	...	...
All Diseases of Liver (not Malignant)	...	2	1	...	...	...	...	...	...	...
Nephritis, Acute and Chronic...	...	1	1	1	2	2	1	...	...	1
Puerperal Sepsis	...	...	...	...	...	...	1	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	2	1	1	...	...	...	...	1
Dis. of Early Infancy and Malformations	...	5	3	5	4	5	5	3	2	...
Suicide	...	1	...	1	...	...	...	...	...	...
Other Violent Deaths	...	1	2	...	3	...	1	1	1	3
Other Defined Diseases	...	11	7	9	7	9	7	7	7	10
Causes Ill-defined or Unknown	...	2	2	2	1	1	1	...	...	1
All Causes	...	97	47	62	61	63	58	51	57	
AGE AT DEATH.										
Under 1	...	...	27	5	12	14	13	8	12	7
1-4	...	...	17	4	3	8	9	12	7	3
5-9	...	...	4	...	...	2	...	2	...	1
10-14	...	...	1	...	1	...	...	1	...	1
15-24	...	...	6	4	...	2	3	3	3	2
25-34	...	...	5	2	4	1	1	4	3	5
35-44	...	...	2	2	5	5	1	1	2	5
45-54	...	...	7	2	5	6	3	1	2	2
55-64	...	...	13	5	6	8	6	5	...	...
65-74	...	...	7	13	15	10	15	13	9	9
75-84	...	...	8	7	7	4	9	8	9	7
85 and over	...	...	...	3	4	1	3	...	2	2
All Ages	...	97	47	62	61	63	58	51	57	

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of FEBRUARY 1922.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.		Number of Observations at 9 A.M. and 9 P.M.		Calm or Variable.			
	Mean of Minimum (B.)	Mean of Maximum (A.)	Mean of at Sea-Level and 32°.	Absolute Maximum and Minimum.	Mean at 9 A.M. and 9 P.M.	Humidity.	Total Fall.	Difference from Average, 1881-1915.	N	NE	E	SE	S	SW	W	NW
GLASGOW. The Observatory.	184	29.457	29.654	34.5	38.7	+0.4	..	..	..	..	..	..	..	..	..	..
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.166	29.651	42.8	34.3	38.6	+0.3	54	24th	28	5th	38.1	1.9	1.86	+0.27	0
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.466	29.651	41.2	32.7	37.0	-0.5	56	24th	27	11, 12	36.5	0.8	.200	.93	22
ABERDEEN,* The Meteorological Office.	90	29.532	29.634	43.0	35.9	39.5	+1.2	56	24th	30	2nd	38.8	1.8	.201	.85	12
PAISLEY The Coats Observatory.	107	29.547	29.668	43.5	35.1	39.3	-0.3	54	24th	28	12th	38.9	1.5	.208	.89	23
LEITH,† JAMES BOLAM, Navigation School.	76	29.401	29.664	43.5	36.1	39.8	+1.2	54	24th	32	13, 20	39.2	1.4	.212	.88	23
GREENOCK,† JAMES MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.628	29.653	43.1	32.9	38.0	+0.4	56	24th	22	12th	37.3	0.9	.205	.93	18
PERTH,† JOHN RITCHIE, Junr., The Museum.	22	29.457	29.654	42.9	34.5	38.7	+0.4	..	..	..	..	38.1	1.4	.203	.89	19
Means	165	29.457	29.654	42.9	34.5	38.7	+0.4	..	..	..	..	35.8	+0.76	0	3	4
															8	11
															6	2
															4	4

North Latitude.—Glasgow, 55° 51'; Edinburgh, 56° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 57'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'. West Longitude.—Glasgow, 2° 13'; Edinburgh, 2° 13'; Dundee, 2° 7'; Aberdeen, 2° 7'; Paisley, 2° 7'; Mean, 2° 25'; Mean, 2° 32'.

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FOR OFFICIAL USE

**MONTHLY RETURN
OF THE
BIRTHS, DEATHS, AND MARRIAGES
IN SIXTEEN OF THE PRINCIPAL TOWNS OF
SCOTLAND.**

MARCH 1922.

Published by Authority of the Registrar-General.

REPORT.

During the month of March 1922 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 5557 living children, of whom 2793 were males, and 2764 were females. The male children of the month numbered 222 more than in the previous month, the female children 315 more, and the total children 537 more.

The monthly birth-rate was 27·6 per thousand. This rate is the same as that of the previous month, but is 0·1 more than the mean of those of the three preceding months, and 1·9 more than that of March of last year. In the individual towns the monthly birth-rate varied from 31·3 in Glasgow, 28·1 in Greenock, and 28·1 in Coatbridge, to 20·1 in Dunfermline, 20·3 in Perth and 22·4 in Edinburgh. In Clydebank this rate was 27·8, in Dundee 27·7, in Falkirk 27·6, in Paisley 27·0, in Kilmarnock 26·6, in Motherwell and Wishaw 25·3, in Hamilton 25·3, in Kirkcaldy 25·2, in Aberdeen 23·9, and in Ayr 23·5.

Of the total children whose births were registered during the month 5171, or 93·1 per cent., were legitimate, while 386, or 6·9 per cent., were illegitimate. The illegitimate rate of the month is 0·1 more than that of the previous month, and 0·2 more than the mean of those of the three preceding months, but is 0·7 less than that of the corresponding month of last year. In the individual towns this rate varied from 14·0 in Perth, 8·4 in Dundee, and 8·1 in Aberdeen, to 1·8 in Clydebank, 2·8 in Ayr, and 2·9 in Dunfermline. In Falkirk it was 7·7, in Glasgow 7·4, in Motherwell and Wishaw 6·7, in Edinburgh 6·6, in Paisley 6·2, in Kilmarnock 6·2, in Kirkcaldy 5·9, in Greenock 5·6, in Coatbridge 3·8 and in Hamilton 3·5.

Marriages registered during the month numbered 1309. They are 16 more than in the previous month, but 536 less than the mean of those of the three preceding months. The monthly marriage-rate was 6·5 per thousand. It is 0·6 less than that of the previous month, 3·0 less than the mean of those of the three preceding

months, and 2·3 less than that of March of last year. In the individual towns this rate varied from 8·3 in Dunfermline, 7·7 in Aberdeen and 7·4 in Falkirk, to 3·7 in Clydebank, 3·7 in Coatbridge, and 3·9 in Paisley. In Glasgow it was 6·9, in Edinburgh 6·9, and in Dundee 6·2.

Deaths registered in these towns during the month numbered 3561, 1794 being of males and 1767 of females. Compared with the numbers registered in the previous month, deaths of males are 381 less, of females 534 less, and of both sexes 915 less. These deaths include those of 276 persons with usual residence outwith the town of registration, but exclude those of 164 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 112, falls to be deducted to get the corrected number for the month, which is thus found to be 3449.

The monthly death-rate, corrected, is 17·1 per thousand. It is 7·1 less than that of the previous month, and 7·1 less than the mean of those of the three preceding months, but is 0·1 more than that of the corresponding month of last year. In the individual towns the monthly death-rate varied from 21·4 in Coatbridge, 18·8 in Paisley, and 18·5 in Glasgow, to 11·2 in Dunfermline, 11·7 in Clydebank, and 12·4 in Ayr. In Perth this rate was 17·8, in Aberdeen 17·1, in Greenock 17·0, in Edinburgh 16·4, in Falkirk 15·9, in Dundee 15·8, in Kirkcaldy 15·7, in Motherwell and Wishaw 15·6, in Kilmarnock 12·8, and in Hamilton 12·5.

Deaths of children of less than one year old numbered 693. This number is 164 less than that of the previous month, and 141 less than the mean of those of the three preceding months. The Infantile Mortality rate is 125 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is 47 less than that of the previous month, and 33 less than the mean of those of the three preceding months, but is 11 more than that of the corresponding month of last year. In the individual towns this rate varied from 187 in Paisley, 171 in Greenock, and 141 in Falkirk, to 60 in Kilmarnock, 63 in Dunfermline, and 67 in Ayr. In Coatbridge it was 140, in Edinburgh 138, in Kirkcaldy 136, in Hamilton 128, in Aberdeen 127, in Glasgow 124, in Perth 121, in Dundee 105, in Motherwell and Wishaw 94, and in Clydebank 81.

Deaths from the principal epidemic diseases numbered 471, and equal a death-rate of 2·3 per thousand. This death-rate is 0·1 less than that of the previous month, but 0·3 more than the mean of those of the three preceding months, and 0·6 more than that of the corresponding month of last year. These deaths include 2 from enteric fever, 316 from measles, 9 from scarlet fever, 77 from whooping-cough, 22 from diphtheria, and 45 from the diarrhoeas of childhood. Compared with the numbers registered in the previous month, deaths from measles are 79 more, and from enteric fever 2 more, but those from the diarrhoeas of childhood are 6 fewer, from scarlet fever 7 fewer, from diphtheria 11 fewer, and from whooping-cough 28 fewer.

Deaths attributed to influenza numbered 73. In the previous month this number was 507, and thus the difference shows a decline of 434.

Deaths from all diseases of the respiratory system, other than phthisis, and exclusive of those associated with influenza, numbered 703, and are 450 fewer than in the previous month. Of these deaths 332 were ascribed to pneumonia, and 322 to bronchitis.

Deaths from all forms of tuberculosis numbered 299, 229 being ascribed to tuberculosis of the respiratory system. The former are 19 fewer, and the latter 12 fewer than in the previous month.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

MARCH 1922.

Mean barometric pressure, 29·841 in.; greater than the average of 1881-1915 by 0·040 in.

Mean temperature, 40°·6; greater by 0°·3.

Mean daily range of temperature, 11°·0; less by 0°·9.

Rain, number of days, 14; less by 3 days.

Rain, depth in inches, 2·08; less by 0·73 in.

Wind, direction of: a 2 days' excess of north-easterly winds.

Hence the month was characterised by a slightly high mean pressure; a mean temperature practically equal to the normal, with a slightly low mean daily range; a low mean rainfall; and an excess of north-easterly winds.

An unsettled type of pressure distribution during the first week was followed by a spell of anticyclonic conditions, with a recurrence of a more unsettled type affecting mainly eastern districts towards the end of the month. At Edinburgh, at sea-level, pressure was above 30 in. from 10th to 23rd; and on 28th and 29th; and the extremes there were 30·54 in. on 12th and 28·94 in. on 8th.

Until 17th or 18th temperature was above the normal, and for the week ending 18th the west of Scotland was conspicuous as the warmest region of our Islands excepting only the south-west of Ireland (62° at Colmonell and 61° at Ford on 14th). On the other hand the last two weeks were marked by very cold weather, with lowest readings on 23rd or during the last three days (15° at West Linton on 31st). For the chief towns the extremes were 60° at Paisley on 12th, and 25° at Dundee and Perth on 23rd. Very generally mean temperatures for the whole month differed but little from the normal.

Moderate to heavy rain from 1st to 6th or 7th was followed by a spell of fine weather lasting until 18th or 19th and in west until 22nd, whilst during the last week there was moderate precipitation (snow, sleet, or rain) on various days, though but little in west and south. In the west the greater part of the month's rainfall was accounted for between 1st and 7th, and at Edinburgh more than half of it on 4th and 5th. At Aberfoyle no rain, and at Fort William hardly any, fell from 8th to 22nd. At one or two points in north and east aggregates were slightly above the normal, but in general there was a moderate to very decided deficiency. Thus Grantown-on-Spey had 116 per cent. of the normal, but Dumfries 76, Fort William 64, Inveraray 54 and Colmonell only 48 per cent. In the driest areas, however, much smaller amounts were recorded in the very dry March of 1918.

Snow fell in eastern and southern districts, in places heavily, from 19th to 21st, and the month closed with very wintry weather and a good deal of snow, though much less than was experienced in the south of England at that time.

Thunderstorms occurred locally in west on 1st and 4th.

There were some very sunny days, and sunshine aggregates were high in the west, e.g. 161 hours at Turnberry as compared with 93 hours at Aberdeen. During the week ending 18th the west of Scotland and north-west of England were much the sunniest regions in our Islands.

Aurora was observed rather widely on each day from 1st to 5th, and at various points from 17th to 20th, and on 29th and 30th.

NOTE.--The mean values refer to those of the Principal Towns named in meteorological table on p. 24.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, MARCH 1922.

TOWNS.	POPULATION.		BIRTHS.					DEATHS.						
	Census 1921.	Estimated to middle of 1922.	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.	Males.	Females.	Total.	Out.	In.	Total Corrected.	
GLASGOW, . . .	1,034,069	1,037,800	1406	1351	2757	2553	204	606	888	784	1672	108	66	1630
EDINBURGH, . . .	420,281	420,500	411	389	800	747	53	247	323	336	659	82	8	585
DUNDEE, . . .	168,217	167,600	193	201	394	361	33	88	93	132	225	5	5	225
ABERDEEN, . . .	158,969	158,700	155	167	322	296	26	104	109	130	239	29	20	230
PAISLEY, . . .	84,837	85,000	98	97	195	183	12	28	63	74	137	5	4	136
GREENOCK, . . .	81,120	81,800	91	101	195	184	11	41	60	61	121	7	4	118
MOTHERWELL AND WISHAW, . . .	68,869	69,300	70	79	149	139	10	24	46	34	80	0	12	92
CLYDEBANK, . . .	46,515	47,500	53	59	112	110	2	15	12	20	32	0	15	47
COATBRIDGE, . . .	43,909	44,000	45	60	105	101	4	14	37	40	77	2	5	80
DUNFERMLINE, . . .	39,886	41,000	37	33	70	68	2	29	24	22	46	7	0	39
KIRKCALDY, . . .	39,591	39,600	42	43	85	80	5	21	23	26	49	1	5	53
HAMILTON, . . .	39,420	39,500	46	39	85	82	3	18	16	19	35	4	11	42
KILMARNOCK, . . .	35,756	35,900	39	42	81	76	5	16	21	19	40	5	4	39
AYR, . . .	35,741	36,100	38	34	72	70	2	22	24	18	42	6	2	38
FALKIRK, . . .	33,312	33,300	36	42	78	72	6	21	23	25	48	5	2	45
PERTH, . . .	33,208	33,000	30	27	57	49	8	15	32	27	59	10	1	50
TOTAL . . . (SIXTEEN TOWNS)	2,323,814	2,370,600	2793	2764	5557	5171	386	1309	1794	1787	3561	276	164	3449

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, MARCH 1922.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PFR 1000 of POPULATION FROM					DEATHS UNDER ONE YEAR OF AGE.		
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncorrected.	Corrected.						
GLASGOW, . . .	31.3	7.4	6.9	19.0	18.5	3.6	1.6	1.3	3.8	323	124
EDINBURGH, . . .	22.4	6.6	6.9	18.5	16.4	0.8	1.5	1.0	3.1	111	138
DUNDEE, . . .	27.7	8.4	6.2	15.8	15.8	0.5	1.5	1.3	3.0	41	105
ABERDEEN, . . .	23.9	8.1	7.7	17.7	17.1	1.6	2.1	1.8	3.1	46	127
PAISLEY, . . .	27.0	6.2	3.9	19.0	18.8	3.7	1.1	0.6	4.2	36	187
GREENOCK, . . .	28.1	5.6	5.9	17.4	17.0	1.6	0.7	0.7	5.5	35	171
MOTHERWELL AND WISHAW, . . .	25.3	6.7	4.1	13.6	15.6	1.5	1.4	1.0	3.6	17	94
CLYDEBANK, . . .	27.8	1.8	3.7	7.9	11.7	1.5	1.0	0.7	2.0	9	81
COATBRIDGE, . . .	28.1	3.8	3.7	20.6	21.4	7.5	1.6	0.8	3.5	16	140
DUNFERMLINE, . . .	20.1	2.9	8.3	13.2	11.2	0.9	0.9	0.9	1.4	5	63
KIRKCALDY, . . .	25.2	5.9	6.2	14.6	15.7	1.2	1.8	1.8	3.9	12	136
HAMILTON, . . .	25.3	3.5	5.4	10.4	12.5	0.3	1.2	0.6	3.3	14	128
KILMARNOCK, . . .	26.6	6.2	5.2	13.1	12.8	0.7	0.7	0.0	3.3	5	60
AYR, . . .	23.5	2.8	7.2	13.7	12.4	0.0	1.0	0.7	2.9	5	67
FALKIRK, . . .	27.6	7.7	7.4	17.0	15.9	1.1	1.1	1.1	4.6	11	141
PERTH, . . .	20.3	14.0	5.4	21.1	17.8	0.7	1.1	0.7	2.5	7	121
TOTAL . . . (SIXTEEN TOWNS)	27.6	6.9	6.5	17.7	17.1	2.3	1.5	1.1	3.5	693	125

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR MARCH 1922, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM										*Infantile Mortality Rate.	Mean Temperature. (Seven Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
MAR. 1922,	27.6	6.9	6.5	17.1	2	0	316	9	77	22	45	125	40°.6			
MAR. 1921,	27.0	7.6	9.2	17.9	4	0	29	17	205	39	52	114	42°.6			
MAR. 1920,	35.7	7.2	10.7	18.7	8	3	94	15	30	41	52	146	42°.7			
MAR. 1919,	18.8	10.3	8.9	27.0	5	0	59	8	225	39	37	187	36°.2			
MAR. 1918,	19.3	8.1	7.9	14.6	5	0	63	4	96	27	30	101	41°.4			
MAR. 1917,	21.8	7.9	6.0	17.8	3	0	88	7	181	38	44	131	37°.4			
MAR. 1916,	25.6	6.9	7.1	19.7	9	0	177	36	27	51	56	129	36°.9			
MAR. 1915,	29.4	6.5	7.3	22.9	7	0	110	51	418	45	36	176	40°.8			
MAR. 1914,	27.6	6.3	6.7	17.4	4	1	165	33	44	38	55	122	40°.8			
MAR. 1913,	26.2	7.0	7.9	18.5	9	0	28	19	221	36	73	135	41°.1			
MAR. 1912,	27.4	6.5	4.7	16.5	11	0	205	31	42	32	50	121	43°.4			

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—March 1922.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85-
Enteric Fever	2	2	2												
Typhus Fever	1	1	1												
Small-pox	-	-	-												
Measles	316	160	156	84	217	13									
Scarlet Fever	9	3	6	-	5	2									
Whooping-cough	77	36	41	34	40	3									
Diphtheria	22	8	14	4	13	3									
Influenza	73	35	38	4	4	1									
Encephalitis Lethargica	3	2	1	1	1										
Cerebro-spinal Meningitis	2	1	1	-	1										
Other Epidemic Diseases	12	5	7	4	-	1									
Tuberculosis of Respiratory System	229	130	99	1	6	1	7	55	56	46	36	14	6	1	
Tuberculous Meningitis	27	13	14	3	11	6	4	2	1	-	-	-	-	-	
Tuberculosis of Intestines and Peritoneum	17	12	5	1	7	3	1	-	4	1	-	-	-	-	
Other Tuberculous Disease	26	10	16	1	8	2	4	6	-	1	2	1	1	-	
Malignant Tumours	232	99	133	-	-	-	-	3	6	12	53	58	65	33	2
Rheumatic Fever	8	3	5	-	1	1	1	2	1	-	1	-	1	-	
Meningitis (not Cer.-spin. or Tuberc.)	30	12	18	13	11	2	-	1	1	1	1	1	-	-	
Apoplexy	255	122	133	-	-	-	-	-	-	10	19	54	106	55	10
Heart Disease	287	128	159	-	1	1	4	7	11	17	37	55	102	45	7
Diseases of Arteries	41	22	19	-	-	-	-	-	-	2	4	7	12	14	2
Bronchitis	322	171	151	79	17	-	3	2	3	6	22	53	78	54	10
Pneumonia (all forms)	332	191	141	121	84	5	3	9	11	14	24	25	29	7	1
Other Diseases of Respiratory System	49	28	21	10	8	-	-	1	2	3	3	5	10	6	1
Diarrhoea and Enteritis (under 2 years)	45	28	17	40	5	-	-	-	-	-	-	-	-	-	
Appendicitis	20	13	7	-	1	1	4	5	2	3	2	2	-	-	
All Diseases of Liver (not Malignant)	12	6	6	-	1	1	4	5	1	1	4	3	1	1	
Nephritis, Acute and Chronic	86	45	41	-	2	2	2	2	7	7	7	18	15	10	2
Puerperal Sepsis	16	-	16	-	-	-	-	4	12	11	-	-	-	-	
Other Dis. & Accidents of Preg. & Part.	27	-	27	-	-	-	-	4	12	11	-	-	-	-	
Diseases of Early Infancy and Malform.	246	130	116	243	-	3	-	-	-	-	-	-	-	-	
Suicide	10	6	4	-	-	-	-	-	2	1	3	1	3	-	
Other Violent Deaths	86	60	26	3	12	4	7	5	5	11	12	12	11	4	-
Other Defined Diseases	485	284	251	48	22	6	6	22	22	41	44	58	70	108	38
Causes Ill-defined or Unknown	44	25	19	-	2	-	-	3	2	2	6	13	9	6	1
	3449	1738	1711	693	479	62	47	141	162	207	298	398	532	353	77

Causes of Death.

DEATHS IN EACH TOWN (corrected for Transfers)—March 1922.

CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	2	1	...	...	...	...	...	...	...
Typhus Fever	...	1	1	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	316	264	8	...	...	...	15	1	6
Scarlet Fever	...	9	8	...	...	...	...	...	1	2
Whooping-cough	...	77	12	11	1	17	10	9	...	...
Diphtheria	...	22	14	3	1	...	1	...	...	...
Influenza	...	73	23	21	3	9	4	3	3	...
Encephalitis Lethargica	...	3	1	1	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	2	2	...	...	...	...	...	...	...
Other Epidemic Diseases	...	12	4	3	1	1	...	...	1	...
Tuberculosis of Respiratory System	...	229	111	37	18	24	4	5	6	3
Tuberculous Meningitis	...	27	7	11	2	2	1	...	1	...
Tuber. of Intestines and Peritoneum	...	17	10	1	...	1	1	...	1	...
Other Tuberculous Disease	...	26	12	6	1	1	2	...	...	1
Malignant Tumours	...	232	107	53	14	15	9	7	4	2
Rheumatic Fever	...	8	2	1	...	1	...	...	2	...
Meningitis (not Cerebro-spinal or Tuber.)	...	30	15	6	1	1	...	3	1	...
Apoplexy	...	255	110	43	17	25	7	7	8	2
Heart Disease	...	287	101	69	26	19	13	12	6	5
Diseases of Arteries	...	41	13	12	1	4	1	2	1	...
Bronchitis	...	322	144	51	21	20	14	17	12	2
Pneumonia (all forms)	...	332	168	42	20	18	15	20	7	5
Other Diseases of Respiratory System	...	49	19	16	2	4	1	1	2	1
Diarrhoea and Enteritis (under 2 years)	...	45	20	6	5	4	1	1	...	1
Appendicitis	...	20	10	4	...	2	...	...	...	1
All Diseases of Liver (not Malignant)	...	12	4	1	3	4	...	...	...	...
Nephritis, Acute and Chronic	...	86	38	14	8	6	2	2	2	2
Puerperal Sepsis	...	16	6	1	3	2	1	...	2	...
Other Diseases and Accidents of Pregnancy and Parturition	...	27	16	2	2	1	1	2	...	1
Dis. of Early Infancy and Malformations	...	246	112	42	21	16	8	7	9	3
Suicide	...	10	6	1	...	1	...	...	...	...
Other Violent Deaths	...	86	45	15	8	3	1	1	3	1
Other Defined Diseases	...	485	205	97	38	28	20	17	11	12
Causes Ill-defined or Unknown	...	44	19	7	8	1	4	1	1	...
All Causes	...	3449	1630	585	225	230	136	118	92	47
AGE AT DEATH.										
Under 1	...	693	323	111	41	46	36	35	17	9
1- 4	...	479	306	35	8	23	22	13	12	9
5- 9	...	62	31	10	2	3	3	1	3	1
10-14	...	47	20	3	2	7	...	3	3	...
15-24	...	141	66	25	9	7	4	5	3	2
25-34	...	162	88	18	9	11	8	8	4	2
35-44	...	207	112	31	16	18	2	8	5	2
45-54	...	298	147	52	24	17	6	8	10	3
55-64	...	398	186	70	28	25	18	5	10	7
65-74	...	532	205	126	47	35	19	17	18	3
75-84	...	353	128	79	30	31	15	13	6	9
85 and over	...	77	18	25	9	7	3	2	1	...
All Ages	...	3449	1630	585	225	230	136	118	92	47

DEATHS IN EACH TOWN (corrected for Transfers)—March 1922—*continued.*

CAUSES OF DEATH.

		Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	1	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	15	1	1	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...
Whooping-cough	...	11	2	...	...	...	...	2	...
Diphtheria	...	1	1	1	1	1	...	...	1
Influenza	...	...	1	1	1	3	...	...	...
Encephalitis Lethargica	...	...	...	1	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	1	1	1	...	...	...	...	...
Tuberculosis of Respiratory System	...	3	3	6	2	...	2	3	2
Tuberculous Meningitis	...	1	...	...	1	...	1	...	...
Tuber. of Intestines and Peritoneum	...	...	...	...	1	1	...	...	1
Other Tuberculous Disease	...	2	...	...	...	1	...	...	...
Malignant Tumours	...	5	3	4	1	2	4	2	...
Rheumatic Fever	...	...	...	...	...	...	2	...	...
Meningitis (not Cerebro-spinal or Tuber.)	2	...	...	1	...	...	...	...	...
Apoplexy	...	4	7	3	5	2	4	5	6
Heart Disease	...	5	5	7	2	1	1	4	11
Diseases of Arteries	...	...	2	1	...	1	...	...	3
Bronchitis	...	6	3	8	6	6	4	4	4
Pneumonia (all forms)	...	7	2	4	5	3	5	8	3
Other Diseases of Respiratory System	...	...	...	1	...	1	...	1	...
Diarrhoea and Enteritis (under 2 years)	...	...	1	1	1	1	...	1	2
Appendicitis	...	...	...	1	...	...	1	...	1
All Diseases of Liver (not Malignant)	...	...	...	...	...	...	...	...	...
Nephritis, Acute and Chronic	...	1	2	1	...	1	5	1	1
Puerperal Sepsis	...	1	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	...	...	...	1	...	1
Dis. of Early Infancy and Malformations	4	2	6	5	2	2	2	4	3
Suicide	...	...	...	...	...	1	...	1	...
Other Violent Deaths	...	3	...	...	...	3	1	...	2
Other Defined Diseases	...	7	6	4	11	8	5	6	10
Causes Ill-defined or Unknown	...	...	...	...	...	1	...	2	...
All Causes	...	80	39	53	42	39	38	45	50

AGE AT DEATH.

	Under 1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over	All Ages
	16	5	12	14	5	5	3	4	4	2	7	11	7
	21	2	6	4	4	2	2	5	4	3	6	4	4
	3	1	...	2	3	2	3	2	1	2	1	...	1
	4	...	...	...	...	...	1	1	2	1	1	1	2
	3	2	3	2	3	2	2	2	1	2	3	3	1
	3	3	2	2	3	2	2	2	1	1	2	1	2
	1	2	3	2	3	2	3	3	...	...	2	2	2
	4	4	4	4	4	4	5	5	4	4	6	2	2
	9	6	4	4	4	4	4	4	8	5	4	9	5
	12	9	12	3	6	2	7	7	5	6	7	2	9
	4	3	6	2	1	...	2	7	7	2	1	2	11
	...	2	1	...	...	...	2	1	2	2	1	2	4
All Ages	80	39	53	42	39	38	45	45	50	50	50	50	50

Abstract of Meteorological Observations.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of MARCH 1922.

OBSERVERS.	BARO-METER.	AIR TEMPERATURE.				HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.				WIND DIRECTIONS.				
		Mean of Minimum (B.)	Absolute Maximum and Minimum.			Mean at 9 A.M. and 9 P.M.	Mean at 9 A.M. and 9 P.M.			Number of Days.			Number of Observations at 9 A.M. and 9 P.M.					
			Day of Month.	Depression of Wet Bulb.			Total Fall.		Difference from Average, 1881-1915.	N		NE		SE		SW		
				Dry Bulb.	Vapour Pressure.		Depression of Wet Bulb.	Humidity.		in.	per cent.	in.	in.	in.	in.	in.	in.	
GLASGOW, The Observatory.	184	feet.	inch.	°	°	°	°	°	°	..	..	..	..	..	..	..	..
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.354	29.841	44.1	34.7	39.4	-0.5	54	3rd	27	31st	38.4	2.1	.191	83	14	1.60	
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.651	29.835	45.1	33.7	39.4	-0.4	54	11th	25	23rd	38.1	1.2	.205	89	15	1.72	
ABERDEEN*, The Meteorological Office.	90	29.718	29.821	45.3	36.1	40.7	+0.6	53	3, 11	29	31st	39.2	1.7	.207	86	16	2.21	
PAISLEY, The Coats Observatory.	107	29.742	29.863	48.6	35.3	42.0	+0.2	60	12th	29	23rd	40.4	2.2	.207	83	13	1.93	
LEITH,† JAMES BOLAM, Navigation School.	76	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GREENOCK,† JAMES MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.591	29.853	46.4	36.5	41.5	+1.4	56	12, 16	31	23rd	40.8	2.4	.207	81	15	3.07	
PERTH,† JOHN RITCHIE, Junr., The Museum.	22	29.805	29.830	47.3	34.5	40.9	+0.8	58	11th	25	23rd	39.9	1.3	.220	90	13	1.96	
Means	165	29.644	29.841	46.1	35.1	40.6	+0.3	..	..	..	..	39.5	1.8	.206	85	14	2.08
																5	9	
																7	4	
																13	7	
																9	4	

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.
 West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

* At King's College at 7 A.M. and 6 P.M.
 † At 9 A.M. only.

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FOR OFFICIAL USE.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES IN SIXTEEN OF THE PRINCIPAL TOWNS OF SCOTLAND.

APRIL 1922.

Published by Authority of the Registrar-General.

REPORT.

During the month of April 1922 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 5111 living children, of whom 2551 were males, and 2560 were females. The male children of the month numbered 242 fewer than in the previous month, the female children 204 fewer, and the total children 446 fewer.

The monthly birth-rate was 26·2 per thousand. This rate is 1·4 less than that of the previous month, 1·8 less than the mean of those of the three preceding months, and 3·5 less than that of April of last year. In the individual towns this rate ranged from 29·0 in Coatbridge, 28·5 in Glasgow, 27·8 in Greenock, and 27·7 in Aberdeen, to 19·0 in Dunfermline, 21·8 in Hamilton, 22·0 in Edinburgh, and 22·4 in Kirkcaldy. In Motherwell and Wishaw this rate was 26·5, in Kilmarnock 26·4, in Perth 25·8, in Paisley 25·5, in Clydebank 25·4, in Dundee 25·3, in Ayr 25·3, and in Falkirk 23·4.

Of the 5111 children whose births were registered during the month 4753, or 93·0 per cent., were legitimate, while 358, or 7·0 per cent., were illegitimate. The illegitimate rate of the month is 0·1 more than that of the previous month, the same amount more than the average of those of the three preceding months, and 0·7 more than that of April of last year. In the individual towns the illegitimate rate ranged from 17·5 in Aberdeen, 13·3 in Ayr, 8·4 in Paisley, and 8·2 in Edinburgh, to 0·0 in Clydebank, 1·6 in Dunfermline, and 1·9 in Coatbridge. In Dundee this rate was 7·8, in Perth 7·1, in Hamilton 7·0, in Glasgow 6·2, in Kilmarnock 5·1, in Greenock 3·2, in Falkirk 3·1, in Kirkcaldy 2·7, and in Motherwell and Wishaw 2·6.

Marriages registered during the month numbered 1860. This number is 551 more than that of the previous month, and 236 more than the mean of those of the three preceding months. The monthly marriage-rate was 9·5 per thousand. It is 3·0

more than that of the previous month, and 1·2 more than the mean of those of the three preceding months, but is 1·1 less than that of April of last year. In the individual towns this rate varied from 12·8 in Dundee, 10·8 in Kilmarnock, 10·5 in Hamilton, 10·4 in Kirkcaldy, and 10·0 in Aberdeen, to 5·6 in Clydebank and 6·8 in Greenock. In Glasgow it was 9·7 and in Edinburgh 9·1.

Deaths registered in these towns during the month numbered 3605, 1870 being males and 1735 females. Compared with the previous month the registered deaths of males are 76 more, of females 32 fewer, and of the two sexes combined 44 more. These 3605 deaths include those of 247 persons with usual residence outside the town of registration, but exclude those of 161 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 86, falls to be deducted to get the corrected number for the month, which is thus found to be 3519.

The monthly death-rate, corrected, is 18·1 per thousand. It is 1·0 more than March, and 2·6 more than that of April of last year. In the individual towns this rate ranged from 38·4 in Coatbridge, 22·9 in Paisley, 21·4 in Motherwell and Wishaw, and 20·0 in Dundee, to 12·1 in Ayr, 12·6 in Hamilton, 14·1 in Kirkcaldy, and 14·3 in Dunfermline. In Aberdeen it was 19·3, in Glasgow 18·3, in Greenock 17·7, in Kilmarnock 17·6, in Clydebank, 16·7, in Perth 16·6, in Falkirk 15·3, and in Edinburgh 15·0.

Deaths of children of less than one year old numbered 717. This number is 24 more than that of the previous month, but is 177 less than the mean of the numbers of the three preceding months. The Infantile Mortality rate is 135 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is 10 more than that of the previous month, and 36 more than that of April of last year, but is 33 less than the mean of those of the three preceding months. In the individual towns it varied from 324 per thousand in Coatbridge, 205 in Aberdeen, 175 in Dundee, 158 in Greenock, and 152 in Motherwell and Wishaw, to 81 in Dunfermline, 82 in Ayr, 118 in Edinburgh, and 119 in Glasgow. In Kirkcaldy it was 145, in Falkirk 139, in Hamilton 127, in Clydebank 125, in Paisley 124, and in Kilmarnock and in Perth 123.

Deaths from the principal epidemic diseases numbered 657, and equal a death-rate of 3·4 per thousand. This death-rate is 1·1 more than that of the previous month, 1·0 more than the mean of those of the three preceding months, and 2·0 more than that of April of last year. These deaths include 1 from enteric fever, 505 from measles, 8 from scarlet fever, 83 from whooping-cough, 27 from diphtheria, and 33 from the diarrhoeas of childhood. Compared with the numbers registered in the previous month, those from measles are 189 more, from whooping-cough 6 more, and from diphtheria 5 more, while those from enteric fever and scarlet fever are each 1 fewer, and those from the diarrhoeas of childhood are 12 fewer.

Deaths attributed to influenza numbered 27. In March this number was 73, in February 507, and in January 1257.

Deaths from all diseases of the respiratory system, other than phthisis, and exclusive of those associated with influenza, numbered 670, and are 33 fewer than in the previous month. Of these deaths 366 were ascribed to pneumonia, and 254 to bronchitis.

Deaths from all forms of tuberculosis numbered 299, of which 213 were ascribed to tuberculosis of the respiratory system. The former number is the same as in the previous month, but the latter is 16 less.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

APRIL 1922.

Mean barometric pressure, 29.739 in.; less than the average of 1881-1915 by 0.151 in.

Mean temperature, 41°.0; less by 3°.5.

Mean daily range of temperature, 14°.2; less by 0°.1.

Rain, number of days, 15; being the normal.

Rain, depth in inches, 2.49; greater by 0.38 in.

Wind, direction of: a 3 days' excess of north-westerly winds.

Hence the month was characterised by a low mean pressure; an abnormally low mean temperature, with a mean daily range equal to the normal; a slightly high mean rainfall; and an excess of north-westerly winds.

Pressure was relatively high over the Icelandic region until 14th, when a low-pressure system moved on a north-easterly track across our Islands accompanied by very stormy weather for two or three days. Towards the end of the month conditions were again unsettled. At Edinburgh, at sea-level, pressure was above 30 in. from 16th to 21st, and the extremes there were 30.57 in. on 18th and 28.98 in. on 15th.

The very cold type of weather which had set in about 20th March continued throughout April without any real break, and only for a day or two around 20th was temperature even moderately high. The maximum reported was only 62° (at Fort William on 20th), and at Edinburgh the highest reading was only 52°. The mean temperature of the month was much the same as that for the cold April of 1917, and during the last sixty years in Scotland the only other April with a mean temperature more than three degrees below the normal was that of 1879. Lowest readings occurred very generally on 1st, with 11° at Braemar. Ground frost was very frequent,—at Renfrew on as many as 24 nights and at Dumfries on 22. The cold character of the month was equally well marked as regards both days and nights.

A great part of Scotland had a rainfall appreciably above the normal, and around the lower Spey valley there was an abnormally large excess. On the other hand there was an area of decided shortage in the West Highlands, and a moderate deficiency in parts of Fifeshire and Forfarshire and at, e.g., Glasgow. At Grantown-on-Spey (5.04 in. or 256 per cent. of the normal) the month was the wettest April on record, and the rainfall twice that at Fort William (2.54 in. or 57 per cent.). Very heavy rains on 14th and 15th (at Aberfoyle 2.80 in. followed by 1.15 in.) accounted for a great part of the month's total over wide areas. Earlier there had been moderate rains locally on 8th and 12th; but in general there were many fine days. The last week was very unsettled in north and east and more than half of the month's rainfall in the Spey valley was registered during that period.

The weather was stormy on 14th and 15th, and there was snow in various districts on 1st, 8th, 14th and 26th. At the end of the month roads at high levels in the north were blocked with snow.

There was a severe thunderstorm in parts of Aberdeenshire and Banffshire on morning of 8th, and thunder at various points on 13th and 23rd, and on the Borders on night of 25th.

There were one or two very sunny days, e.g. 18th and 19th, and the month was sunnier in western than in eastern districts.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 32.

*Abstract.*TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, APRIL 1922.

TOWNS.	POPULATION.		BIRTHS.				MARRIAGES.	DEATHS.				Total Corrected.		
	Census 1921.	Estimated to middle of 1922.	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.	Males.	Females.	Total.	Out.	In.		
GLASGOW, . . .	1,034,069	1,037,800	1229	1199	2428	2278	150	830	833	724	1557	76	77	1558
EDINBURGH, . . .	420,281	420,500	379	380	759	697	62	315	286	286	572	69	16	519
DUNDEE, . . .	168,217	167,600	177	171	348	321	27	177	150	132	282	13	6	275
ABERDEEN, . . .	158,969	158,700	179	182	361	298	63	130	134	129	263	27	16	252
PAISLEY, . . .	84,837	85,000	92	86	178	163	15	60	86	79	165	10	5	160
GREENOCK, . . .	81,120	81,800	92	95	187	181	6	46	58	63	121	5	3	119
MOTHERWELL AND WISHAW, . . .	68,869	69,300	78	73	151	147	4	48	61	51	112	1	11	122
CLYDEBANK, . . .	46,515	47,500	37	62	99	99	0	22	19	36	55	0	10	65
COATBRIDGE, . . .	43,909	44,000	50	55	105	103	2	35	68	69	137	0	2	139
DUNFERMLINE, . . .	39,886	41,000	34	30	64	63	1	27	23	28	54	8	2	48
KIRKCALDY, . . .	39,591	39,600	36	37	73	71	2	34	22	23	45	2	3	46
HAMILTON, . . .	39,420	29,500	38	33	71	66	5	34	23	19	42	6	5	41
KILMARNOCK, . . .	35,756	35,900	35	43	78	74	4	32	29	26	55	4	1	52
AYR, . . .	35,741	36,100	39	36	75	65	10	24	28	19	47	12	1	36
FALKIRK, . . .	33,312	33,300	22	42	64	62	2	22	25	18	43	3	2	42
PERTH, . . .	33,208	33,000	34	36	70	65	5	24	22	33	55	11	1	45
TOTAL (SIXTEEN TOWNS)	2,323,814	2,370,600	2551	2560	5111	4753	358	1860	1870	1735	3605	247	161	3519

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, APRIL 1922.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncorrected.	Corrected.						
GLASGOW, . . .	28·5	6·2	9·7	18·3	18·3	4·2	1·5	1·1	3·4	297	119
EDINBURGH, . . .	22·0	8·2	9·1	16·6	15·0	1·0	1·3	1·0	2·8	91	118
DUNDEE, . . .	25·3	7·8	12·8	20·5	20·0	0·5	2·3	1·7	5·4	65	175
ABERDEEN, . . .	27·7	17·5	10·0	20·2	19·3	1·2	0·9	0·7	5·0	72	205
PAISLEY, . . .	25·5	8·4	8·6	23·6	22·9	6·4	2·9	2·0	2·6	23	124
GREENOCK, . . .	27·8	3·2	6·8	18·0	17·7	4·5	2·1	1·2	3·6	31	158
MOTHERWELL AND WISHAW, . . .	26·5	2·6	8·4	19·7	21·4	7·2	1·1	0·5	4·4	26	152
CLYDEBANK, . . .	25·4	0·0	5·6	14·1	16·7	6·2	2·3	2·1	1·5	13	125
COATBRIDGE, . . .	29·0	1·9	9·7	37·9	38·4	22·9	1·7	1·1	5·5	35	324
DUNFERMLINE, . . .	19·0	1·6	8·0	16·0	14·3	1·2	1·8	0·9	0·9	6	81
KIRKCALDY, . . .	22·4	2·7	10·4	13·8	14·1	0·3	0·9	0·3	3·7	12	145
HAMILTON, . . .	21·8	7·0	10·5	12·9	12·6	0·6	0·6	0·6	3·4	13	127
KILMARNOCK, . . .	26·4	5·1	10·8	18·6	17·6	1·0	1·4	1·4	3·4	10	123
AYR, . . .	25·3	13·3	8·1	15·9	12·1	0·0	1·0	1·0	1·7	6	82
FALKIRK, . . .	23·4	3·1	8·0	15·7	15·3	2·6	1·8	1·1	2·6	10	139
PERTH, . . .	25·8	7·1	8·8	20·3	16·6	1·1	1·1	0·0	1·8	7	123
TOTAL (SIXTEEN TOWNS)	26·2	7·0	9·5	18·5	18·1	3·4	1·5	1·1	3·4	717	135

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR APRIL 1922, AND FOR THE CORRESPONDING MONTH OF THE PRECEDING TEN YEARS, IN THE PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								* Infantile Mortality Rate.	Mean Temperature (Seven Towns only.)	
					(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)			
(1)	(2)	(3)	(4)	(5)											
APR. 1922,	26.2	7.0	9.5	18.1	1	0	505	8	83	27	33	135	41°0		
APR. 1921,	29.7	6.3	10.6	15.5	1	0	25	16	167	23	44	99	46°0		
APR. 1920,	34.5	6.9	13.3	19.7	4	6	128	9	37	40	45	148	44°0		
APR. 1919,	19.7	8.6	13.1	16.5	2	0	88	6	213	24	36	128	44°7		
APR. 1918,	23.3	7.9	9.6	15.1	4	0	111	8	86	28	38	118	43°2		
APR. 1917,	23.0	7.8	8.3	18.7	3	0	239	5	244	27	33	140	41°0		
APR. 1916,	25.2	6.4	8.2	17.6	4	0	141	39	40	30	44	116	45°3		
APR. 1915,	29.0	7.5	9.3	20.8	8	0	140	33	361	37	58	155	45°4		
APR. 1914,	29.0	6.8	10.7	16.5	10	0	107	20	52	31	51	110	48°5		
APR. 1913,	29.6	6.3	9.5	17.5	12	0	66	13	166	30	52	111	44°8		
APR. 1912,	31.6	6.3	10.3	17.0	3	0	195	19	57	25	40	117	47°4		

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—April 1922.

CAUSES OF DEATH.	Males.	Females.	Age.												
			-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85-	
Enteric Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Typhus Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Small-pox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scarlet Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whooping-cough	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Influenza	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Encephalitis Lethargica	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebro-spinal Meningitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Epidemic Diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis of Respiratory System	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculous Meningitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis of Intestines and Peritoneum	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Tuberculous Disease	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Malignant Tumours	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rheumatic Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Meningitis (not Cer.-spin. or Tuberc.)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apoplexy	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Heart Disease	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of Arteries	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bronchitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pneumonia (all forms)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Diseases of Respiratory System	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diarrhoea and Enteritis (under 2 years)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Appendicitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All Diseases of Liver (not Malignant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nephritis, Acute and Chronic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Sepsis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Dis. & Accidents of Preg. & Part.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of Early Infancy and Malform.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Suicide	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Violent Deaths	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Defined Diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Causes Ill-defined or Unknown	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	3519	1827	1692	717	600	67	39	129	144	214	318	411	471	343	66

DEATHS IN EACH TOWN (corrected for Transfers)—April 1922.

CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	1	...	1	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	505	310	14	...	...	34	8	35	22
Scarlet Fever	...	8	7	...	...	...	...	...	...	...
Whooping-cough	...	83	14	8	1	11	9	22	5	...
Diphtheria	...	27	12	8	2	...	...	...	...	...
Influenza	...	27	8	7	1	1	1	2	2	...
Encephalitis Lethargica	...	3	1	...	...	...	...	...	...	1
Cerebro-spinal Meningitis	...	5	4	...	...	...	...	...	...	...
Other Epidemic Diseases	...	20	9	3	4	1	...	...	2	1
Tuberculosis of Respiratory System	...	213	95	33	23	9	14	8	3	8
Tuberculous Meningitis	...	32	11	7	5	3	1	...	...	...
Tuber. of Intestines and Peritoneum	...	27	15	1	2	...	3	1	2	1
Other Tuberculous Disease	...	27	9	3	2	...	2	5	1	...
Malignant Tumours	...	261	99	51	21	29	14	4	7	5
Rheumatic Fever	...	7	4	1	...	...	...	...	1	...
Meningitis (not Cerebro-spinal or Tuber.)	...	21	9	2	1	...	1	1	2	...
Apoplexy	...	232	103	49	18	10	8	5	4	5
Heart Disease	...	271	90	57	25	28	15	8	7	3
Diseases of Arteries	...	51	22	11	4	7	1	1	...	...
Bronchitis	...	254	114	30	34	26	7	7	7	3
Pneumonia (all forms)	...	366	152	57	37	36	10	15	14	3
Other Diseases of Respiratory System	...	50	23	9	3	3	1	2	4	...
Diarrhoea and Enteritis (under 2 years)	...	33	13	5	4	4	2	...	1	2
Appendicitis	...	18	11	1	...	2	1	1	1	...
All Diseases of Liver (not Malignant)	...	24	10	6	2	...	...	1	2	...
Nephritis, Acute and Chronic	...	103	51	17	8	8	6	2	2	2
Puerperal Sepsis	...	17	11	1	1	1	1	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	15	9	1	...	1	...	2	...	1
Dis. of Early Infancy and Malformations	...	220	77	38	20	26	6	6	4	4
Suicide	...	7	1	3	1	1	...	1	...	...
Other Violent Deaths	...	78	36	13	10	4	1	2	2	...
Other Defined Diseases	...	465	204	80	41	40	19	13	13	4
Causes Ill-defined or Unknown	...	48	24	2	5	1	3	2	1	...
All Causes	...	3519	1558	519	275	252	160	119	122	65
AGE AT DEATH.										
Under 1	...	717	297	91	65	72	23	31	26	13
1-4	...	600	314	35	21	14	42	25	38	20
5-9	...	67	31	5	...	4	6	3	7	...
10-14	...	39	16	8	5	1	...	1	...	2
15-24	...	129	55	23	10	10	6	7	4	2
25-34	...	144	81	22	5	11	4	4	4	2
35-44	...	214	98	37	15	15	15	8	6	5
45-54	...	318	155	48	27	17	14	6	5	8
55-64	...	411	173	73	39	33	17	9	13	6
65-74	...	471	179	94	45	38	20	14	10	4
75-84	...	343	136	63	37	30	11	10	7	2
85 and over	...	66	23	20	6	7	2	1	2	1
All Ages	...	3519	1558	519	275	252	160	119	122	65

DEATHS IN EACH TOWN (corrected for Transfers)—April 1922—continued.

CAUSES OF DEATH.

			Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	...	74	3	...	1	...	...	3	1
Scarlet Fever	...	...	...	1	...	...	...	...	...	...
Whooping-cough	...	...	7	...	1	...	1	...	4	...
Diphtheria	...	...	1	...	...	1	2	...	...	1
Influenza	...	...	1	...	1	1	...	1	1	...
Encephalitis Lethargica	...	...	...	...	1	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	1	...
Other Epidemic Diseases	...	...	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System	...	4	3	1	2	4	3	3	3	...
Tuberculous Meningitis	...	1	1	1	...	...	...	...	2	...
Tuber. of Intestines and Peritoneum	...	1	1	...	...	...	...	...	...	...
Other Tuberculous Disease	...	...	1	1	...	...	...	...	...	3
Malignant Tumours	...	2	9	1	1	3	3	3	3	9
Rheumatic Fever	...	...	...	...	...	1	1	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	1	1	1	3	3	1	1	1	1	...
Apoplexy	...	4	6	5	3	8	1	1	1	2
Heart Disease	...	8	3	3	4	6	7	3	4	4
Diseases of Arteries	...	...	1	2	...	...	1	...	...	1
Bronchitis	...	8	1	5	3	4	2	2	1	1
Pneumonia (all forms)	...	11	1	6	7	6	3	4	4	4
Other Diseases of Respiratory System	1	1	1	1	1	...	...	...	1	...
Diarrhoea and Enteritis (under 2 years)	1	...	...	...	...	...	...	...	...	1
Appendicitis	...	...	...	...	...	...	1	...	...	...
All Diseases of Liver (not Malignant)	1	2	...	...	...	...	...	...	...	...
Nephritis, Acute and Chronic	...	1	1	1	2	1	...	1	...	...
Puerperal Sepsis	...	...	1	...	...	...	...	...	...	1
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	...	...	...	...	...	...	1
Dis. of Early Infancy and Malformations	6	3	6	5	4	5	5	5	5	5
Suicide	...	...	...	...	...	...	...	...	...	...
Other Violent Deaths	...	...	2	...	4	1	...	2	1	1
Other Defined Diseases	...	5	6	7	4	10	6	4	9	9
Causes Ill-defined or Unknown	...	1	...	3	1	...	3	1	1	1
All Causes	...	139	48	46	41	52	36	42	45	

AGE AT DEATH.

Under 1	...	...	35	6	12	13	10	6	10	7
1- 4	...	...	63	6	5	2	5	...	6	4
5- 9	...	...	5	...	...	2	1	...	...	3
10-14	...	...	...	1	1	1	1	1	1	...
15-24	...	...	1	2	3	1	2	1	1	1
25-34	...	...	4	2	...	1	...	2	1	1
35-44	...	...	1	4	...	2	4	2	1	1
45-54	...	...	8	7	4	2	5	5	2	5
55-64	...	...	7	5	5	6	5	5	9	6
65-74	...	...	8	7	10	8	12	9	4	9
75-84	...	...	7	5	6	3	7	5	6	8
85 and over	...	...	...	3	...	...	...	...	1	...
All Ages	...	139	48	46	41	52	36	42	45	

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of APRIL 1922.

OBSERVERS.	BARO-METER.	AIR TEMPERATURE.			HYGROMETER.			WIND DIRECTIONS.								
		Mean of A and B (Mean Temperature).			Mean at 9 A.M. and 9 P.M.			Number of Observations at 9 A.M. and 9 P.M.								
		Mean of Minimum (B.)	Maximum (A.)	Day of Month.	Depression of Wet Bulb.	Dry Bulb.	Humidity.	N	NE	E	SE	S	SW	W	NW	
GLASGOW, The Observatory.	feet. 184	inch. ..	° ..	° ..	° ..	° ..	° ..	inch. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	29.244	29.728	46.4	34.3	40.4	-3.4	52	25.26	28	1st	39.8	28	191	73	16	
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.549	29.733	47.4	33.3	40.4	-3.7	55	25.7	26	1st	39.7	1.5	214	88	15
ABERDEEN,* The Meteorological Office.	90	29.614	29.718	45.7	34.7	40.2	-3.5	51	24.4	26	1st	39.6	1.9	206	85	21
PAISLEY, The Coats Observatory.	107	29.625	29.746	50.8	33.7	42.3	-3.9	61	20th	26	1st	41.8	2.9	207	79	12
LEITH,† JAMES BOLAM, Navigation School.	76	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GREENOCK,‡ JAMES MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.509	29.771	48.1	35.1	41.6	-3.0	59	20th	28	1, 2	41.3	3.3	195	75	12
PERTH,† JOHN RITCHIE, June, The Museum.	22	29.711	29.736	50.1	32.1	41.1	-3.4	58	19.21	23	1st	41.0	1.5	225	88	12
Means	165	29.542	29.739	48.1	33.9	41.0	-3.5	40.5	2.3	206	82	15

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North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.
 West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

* At King's College at 7 A.M. and 6 P.M.
 † At 9 A.M. only.

FOR OFFICIAL USE.

MONTHLY RETURN
OF THE
BIRTHS, DEATHS, AND MARRIAGES
IN SIXTEEN OF THE PRINCIPAL TOWNS OF
SCOTLAND.

MAY 1922.

Published by Authority of the Registrar-General.

REPORT.

During the month of May 1922 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 5447 living children, of whom 2805 were males, and 2642 were females. The male children of the month numbered 254 more than those of the previous month, and the female children 82 more. The total children registered during the month numbered 336 more than in the previous month, and 218 more than the mean of the numbers of the three preceding months.

The monthly birth-rate was 27·1 per thousand. This rate is 0·9 more than that of April, and the same as the mean of the rates of the three preceding months, February, March and April. It is 3·2 less than the birth-rate of May of last year. In the individual towns the monthly birth-rate varied from 32·6 in Coatbridge, 29·7 in Ayr, and 29·4 in Glasgow, to 15·2 in Dunfermline, 18·9 in Perth, and 21·6 in Kilmarnock. In Dundee it was 29·1, in Aberdeen 28·2, in Hamilton 27·7, in Greenock 27·1, in Motherwell and Wishaw 26·7, in Paisley 26·3, in Clydebank 25·3, in Falkirk 25·1, in Kirkcaldy 23·5, and in Edinburgh 22·3.

Of the 5447 children whose births were registered in these towns during the month 5077, or 93·2 per cent., were legitimate, while 370, or 6·8 per cent., were illegitimate. The illegitimate rate of the month is 0·2 less than that of the previous month, and 0·1 less than the mean of the rates of the three preceding months, but is the same as that of May of last year. In the individual towns this rate varied from 17·0 in Perth, 9·4 in Dunfermline, and 8·9 in Kirkcaldy, to 2·0 in Clydebank, 2·5 in Motherwell and Wishaw, and 3·2 in Greenock and in Hamilton. In Edinburgh this rate was 8·7, in Aberdeen 8·4, in Ayr 7·7, in Dundee 7·7, in Falkirk 7·0, in Paisley 6·8, in Glasgow 6·6, in Kilmarnock 6·1, and in Coatbridge 3·3.

Marriages registered during the month numbered 1021. This number is 839 less than that of the previous month, and 466 less than the mean of those of the three preceding months. The monthly marriage-rate was 5·1 per thousand. It is 4·4 less than that of the previous month, 2·6 less than the mean of those of the three

preceding months, and 1·0 less than that of May of last year. In the individual towns this rate varied from 6·0 in Edinburgh, 5·9 in Aberdeen, 5·6 in Glasgow, and 5·3 in Falkirk, to 2·0 in Motherwell and Wishaw, 2·2 in Clydebank and 2·9 in Paisley.

Deaths registered in these towns during the month numbered 3283, 1703 being of males and 1580 of females. Compared with the number registered in the previous month, deaths of males are 167 fewer and those of females 155 fewer. These 3283 deaths include those of 242 persons with usual residence outwith the town of registration, but exclude those of 183 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 59, falls to be deducted to get the corrected number for the month, which is thus found to be 3224.

The monthly death-rate, corrected, is 16·0 per thousand. It is 2·1 less than that of the previous month, and 3·8 less than the mean of those of the three preceding months, but is 2·0 more than that of May of last year. In the individual towns the monthly death-rate varied from 35·1 in Greenock, 23·0 in Coatbridge, and 19·5 in Motherwell and Wishaw, to 9·7 in Clydebank, 12·4 in Dunfermline, 12·9 in Edinburgh, 13·4 in Ayr, and 13·7 in Aberdeen. In Dundee this rate was 17·8, in Perth 17·1, in Glasgow 16·1, in Kirkcaldy 15·7, in Hamilton 15·5, in Kilmarnock and in Falkirk 14·8, and in Paisley 14·5.

Deaths of children of less than one year old numbered 601. This number is 116 less than that of the previous month, and 155 less than the mean of those of the three preceding months. The infantile mortality rate is 111 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is 24 less than that of the previous month, and 33 less than the mean of those of the three preceding months, but is 20 more than that of May of last year. In the individual towns this rate varied from 237 in Greenock, 179 in Motherwell and Wishaw, 139 in Dundee, and 135 in Falkirk, to 51 in Ayr, 67 in Dunfermline, and 73 in Edinburgh. In Coatbridge this rate was 127, in Perth 121, in Aberdeen 119, in Glasgow 108, in Paisley 106, in Kilmarnock 99, in Hamilton 97, in Kirkcaldy 82, and in Clydebank 77.

Deaths from the principal epidemic diseases numbered 553 and equal a death-rate of 2·7 per thousand. This death-rate is 0·7 less than that of the previous month, but is the same as the mean of those of the three preceding months, and 1·5 more than that of May of last year. These deaths include 3 from enteric fever, 388 from measles, 12 from scarlet fever, 82 from whooping-cough, 16 from diphtheria, and 52 from the diarrhoeas of childhood. Compared with the numbers in the previous month, deaths from the diarrhoeas of childhood are 19 more, from scarlet fever 4 more, and from enteric fever 2 more, but those from whooping-cough are 1 fewer, from diphtheria 11 fewer, and from measles 117 fewer. High death-rates from these causes occurred in Greenock (16·6), and in Coatbridge (11·0), in both places measles and whooping-cough being epidemic.

Deaths attributed to influenza numbered 22. In April this number was 27, in March 73, and in February 507.

Deaths from all respiratory diseases, other than phthisis, and exclusive of those associated with influenza, numbered 499. They are 171 fewer than in the previous month. Of these 499 deaths, 281 were attributed to pneumonia, and 171 to bronchitis.

Deaths from all forms of tuberculosis numbered 329, of which 235 were attributed to tuberculosis of the respiratory system, the former number being 30 more than in the previous month, and the latter 22 more.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

MAY 1922.

Mean barometric pressure, 29.950 in.; greater than the average of 1881-1915 by 0.002 in.

Mean temperature, 51°.3; greater by 1°.8.

Mean daily range of temperature, 14°.8; less by 0°.4.

Rain, number of days, 13; less by 2 days.

Rain, depth in inches, 2.19; less by 0.22 in.

Wind, direction of: 10 days' excess of winds from between south and west.

Hence the month was characterised by a mean pressure equal to the normal; a rather high mean temperature, with a mean daily range all but equal to the normal; a somewhat high mean rainfall; and a very large excess of south-westerly winds.

Rather unsettled conditions prevailed during the first few days, and on 14th and 15th an Atlantic depression caused exceptionally heavy rains in western districts. Towards the end of the month an anticyclonic type of pressure distribution was in control. At Edinburgh, at sea-level, pressure was above 30 in. from 6th to 13th, on 19th and 20th, and from 24th to 31st, and the extremes there were 30.40 in. on 9th, and 29.39 on 4th.

Temperature in most districts remained at a moderate level until about 15th, with one or two very cold days, and at Eskdalemuir on night of 12th-13th a reading as low as 22°. The latter half of the month, on the other hand, was almost continuously warm, with 81° at Kelso and Montrose on 31st. The mean temperature was as much as 10° above that of the very cold month of April.

Rainfall aggregates exhibited extraordinary contrasts between eastern and western districts. In the east the month was a dry to very dry one, and at Marchmont, in Berwickshire (0.67 in. or only 27 per cent. of the normal), it was the driest May for at least 50 years. In the west, on the other hand, there was a decided excess, and towards north-west amounts greatly exceeding previous "records" for May. Thus at Fort William (11.63 in. or all but thrice the normal) the aggregate was almost 5 in. above the heaviest rainfall hitherto recorded in May (6.70 in. in 1920). Within the region of greatest excess, there were heavy rains from 3rd to 6th, whilst heavy falls on 14th were followed by abnormally large amounts on 15th. At Fort William the total for 14th and 15th was about 4½ in., and at Ardgour the rainfall for 15th alone as much as 5.14 in. At Edinburgh, by way of contrast, there were only three days with as much as 0.10 in. No rain of importance fell anywhere after 21st.

The weather was rather stormy early in the month, with snow at high levels on two or three days and sleet at Aberdeen on 12th.

Thunder occurred here and there on 3rd and 4th, with thunderstorms in some eastern districts between 15th and 17th, and again between 21st and 25th. At Arbroath more than half the month's small rainfall was accounted for in a thunder-storm on evening of 21st.

Sunshine amounts varied considerably. In Orkney the month was the cloudiest May on record, whilst at Edinburgh it was a very sunny one. There were some very sunny days, notably 29th and 31st—as much as 16 hours at Aberdeen on 31st., but in Orkney fog throughout that day.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 40.

Abstract.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, MAY 1922.

TOWNS.	POPULATION.		BIRTHS.					DEATHS.						
	Census 1921.	Estimated to middle of 1922.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	MARRIAGES.	Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW,	1,034,069	1,037,800	1367	1225	2592	2422	170	495	747	686	1433	100	82	1415
EDINBURGH,	420,281	420,500	403	388	796	727	69	214	275	230	505	53	7	459
DUNDEE,	168,217	167,600	202	212	414	384	30	57	132	127	259	14	8	253
ABERDEEN,	158,969	158,700	181	199	380	348	32	80	94	96	190	26	20	184
PAISLEY,	84,837	85,000	91	99	190	177	13	23	52	60	112	9	2	105
GREENOCK,	81,120	81,800	95	93	188	182	6	30	118	124	242	2	4	244
MOTHERWELL AND WISHAW,	68,869	69,300	88	69	157	153	4	12	53	54	107	..	8	115
CLYDEBANK,	46,515	47,500	54	48	102	100	2	9	12	12	24	..	15	39
COATBRIDGE,	43,909	44,000	62	60	122	118	4	14	42	41	83	1	4	86
DUNFERMLINE,	39,886	41,000	31	22	53	48	5	11	18	28	46	5	2	43
KIRKCALDY,	39,591	39,600	38	41	79	72	7	10	29	19	48	3	8	53
HAMILTON,	39,420	39,500	45	48	93	90	3	10	28	20	48	3	7	52
KILMARNOCK,	35,756	35,900	33	33	66	62	4	9	30	17	47	8	6	45
AYR,	35,741	36,100	44	47	91	84	7	14	22	21	43	8	6	41
FALKIRK,	33,312	33,300	43	28	71	68	5	15	21	20	41	1	2	42
PERTH,	33,208	33,000	23	30	53	44	9	13	30	25	55	9	2	48
TOTAL (SIXTEEN TOWNS)	2,323,814	2,370,600	2805	2642	5447	5077	370	1021	1703	1580	3283	242	183	3224

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, MAY 1922.

TOWNS.	Birth- Rate per 1000 of Popula- tion.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM					DEATHS UNDER ONE YEAR OF AGE.		
				All Causes.		Principal Epidemic Diseases.	All Tuber- culosis.	Tuber. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW,	29.4	6.6	5.6	16.3	16.1	2.5	1.9	1.5	2.8	276	108
EDINBURGH,	22.3	8.7	6.0	14.1	12.9	1.5	1.3	0.8	1.5	58	73
DUNDEE,	29.1	7.2	4.0	18.2	17.8	0.6	1.3	0.9	3.9	53	139
ABERDEEN,	28.2	8.4	5.9	14.1	13.7	1.0	1.3	1.0	2.0	43	119
PAISLEY,	26.3	6.8	2.9	15.5	14.5	2.9	1.9	1.2	1.7	20	106
GREENOCK,	27.1	3.2	4.3	34.8	35.1	16.6	2.3	1.2	5.0	47	237
MOTHERWELL AND WISHAW,	26.7	2.5	2.0	18.2	19.5	7.8	1.7	1.0	2.0	31	179
CLYDEBANK,	25.3	2.0	2.2	6.0	9.7	1.2	1.0	1.0	0.7	8	77
COATBRIDGE,	32.6	3.3	3.7	22.2	23.0	11.0	1.1	0.8	3.2	14	127
DUNFERMLINE,	15.2	9.4	3.2	13.2	12.4	0.6	0.9	0.6	1.7	5	67
KIRKCALDY,	23.5	8.9	3.0	14.3	15.7	2.4	1.2	0.9	0.9	7	82
HAMILTON,	27.7	3.2	3.0	14.3	15.5	2.7	1.8	0.9	3.0	10	97
KILMARNOCK,	21.6	6.1	3.0	15.4	14.8	2.0	1.3	1.3	2.6	8	99
AYR,	29.7	7.7	4.6	14.0	13.4	0.0	0.7	0.3	1.6	4	51
FALKIRK,	25.1	7.0	5.3	14.5	14.8	3.5	1.8	0.4	2.5	10	135
PERTH,	18.9	17.0	4.6	19.6	17.1	0.4	1.4	1.1	1.4	7	121
TOTAL (SIXTEEN TOWNS)	27.1	6.8	5.1	16.3	16.0	2.7	1.6	1.2	2.5	601	111

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR MAY 1922, AND FOR THE CORRESPONDING MONTH OF THE PRECEDING TEN YEARS, IN THE PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Deaths from												Mean Temperature (Seven Towns only.)
			Marriage-Rate.	Death-Rate.	Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Group.	Diarrhoea (Under 2 Years).	* Infantile Mortality Rate.	(13)	(14)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
MAY 1922,	27.1	6.8	5.1	16.0	3	0	388	12	82	16	52	111	51°.3		
MAY 1921,	30.0	6.8	6.1	13.8	0	0	21	11	134	33	39	91	51°.0		
MAY 1920,	31.7	7.9	7.5	17.0	2	22	102	10	31	27	53	121	50°.6		
MAY 1919,	20.9	8.5	7.3	13.4	2	0	106	7	120	21	28	106	52°.6		
MAY 1918,	22.6	8.7	5.1	15.8	7	0	140	8	125	28	30	116	52°.6		
MAY 1917,	22.3	8.1	4.9	17.0	3	0	277	16	257	27	43	128	49°.6		
MAY 1916,	27.8	6.9	5.8	15.6	1	0	133	26	56	22	35	110	49°.3		
MAY 1915,	25.9	6.7	6.3	17.9	2	0	235	30	215	31	50	132	48°.3		
MAY 1914,	27.4	6.6	3.4	15.3	5	0	104	21	72	22	42	105	50°.2		
MAY 1913,	27.9	6.6	3.5	16.7	9	0	148	22	169	34	71	116	50°.0		
MAY 1912,	28.7	7.4	3.2	15.9	7	0	125	14	57	22	53	107	51°.0		

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—May 1922.

Causes of Death.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85-
Enteric Fever	3	1	2	-	-	-	-	-	2	-	1	-	-	-	-
Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles	-	-	-	388	211	177	106	269	13	-	-	-	-	-	-
Scarlet Fever	-	-	-	12	4	8	-	5	4	3	-	-	-	-	-
Whooping-cough	-	-	-	82	37	45	36	42	4	-	-	-	-	-	-
Diphtheria	-	-	-	16	8	8	1	14	1	-	-	-	-	-	-
Influenza	-	-	-	22	14	8	2	-	1	-	1	2	4	2	6
Encephalitis Lethargica	-	-	-	2	1	1	-	-	-	-	1	1	-	-	2
Cerebro-spinal Meningitis	-	-	-	7	5	2	4	1	1	-	-	-	-	-	-
Other Epidemic Diseases	-	-	-	11	9	2	4	1	1	-	1	-	2	2	1
Tuberculosis of Respiratory System	-	-	-	235	124	111	3	2	5	13	43	59	58	29	19
Tuberculous Meningitis	-	-	-	39	21	18	8	19	7	3	2	-	-	-	-
Tuberculosis of Intestines and Peritoneum	-	-	-	25	12	13	4	10	5	1	2	-	1	2	-
Other Tuberculous Disease	-	-	-	30	17	13	1	9	-	1	5	6	3	2	3
Malignant Tumours	-	-	-	273	113	160	-	2	1	-	2	4	18	58	78
Rheumatic Fever	-	-	-	4	2	2	-	-	2	-	-	2	-	-	-
Meningitis (not Cer.-spin. or Tuberc.)	-	-	-	24	15	9	10	6	4	-	-	2	1	-	-
Apoplexy	-	-	-	253	115	138	5	-	-	-	1	7	28	62	97
Heart Disease	-	-	-	263	125	138	-	-	2	4	8	13	18	42	57
Diseases of Arteries	-	-	-	38	22	16	-	-	-	-	1	-	1	10	15
Bronchitis	-	-	-	171	84	87	34	9	1	-	-	3	10	19	53
Pneumonia (all forms)	-	-	-	281	170	111	82	72	2	3	10	12	12	21	28
Other Diseases of Respiratory System	-	-	-	47	27	20	8	3	-	-	1	3	4	11	10
Diarrhoea and Enteritis (under 2 years)	-	-	-	52	30	22	45	7	-	-	-	-	-	-	-
Appendicitis	-	-	-	20	12	8	-	1	-	5	2	4	3	-	2
All Diseases of Liver (not Malignant)	-	-	-	21	11	10	-	-	1	-	1	5	8	4	1
Nephritis, Acute and Chronic	-	-	-	97	57	40	2	2	3	1	1	7	9	24	17
Puerperal Sepsis	-	-	-	12	-	12	-	-	-	6	4	2	-	-	2
Other Dis. & Accidents of Preg. & Part.	-	-	-	21	-	21	-	-	-	1	7	13	-	-	-
Diseases of Early Infancy and Malform.	-	-	-	181	100	81	177	2	-	1	1	-	-	-	-
Suicide	-	-	-	9	8	1	-	-	-	-	1	5	2	-	1
Other Violent Deaths	-	-	-	92	73	19	8	7	5	4	7	6	12	14	13
Other Defined Diseases	-	-	-	456	220	236	54	19	7	3	17	20	27	48	58
Causes Ill-defined or Unknown	-	-	-	37	24	13	7	1	-	2	1	2	5	7	10
	3224	1672	1552	601	503	69	42	113	149	204	306	395	474	304	64

Causes of Death.

DEATHS IN EACH TOWN (corrected for Transfers)—May 1922.

CAUSES OF DEATH.

		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	3	2	...	...	...	...	1	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	388	155	30	...	...	13	86	42	4
Scarlet Fever	...	12	8	2	1	1	7	26	4	...
Whooping-cough	...	82	14	11	1	8	...	...	...	...
Diphtheria	...	16	7	5	2	1	1	...	1	1
Influenza	...	22	5	5	1	2	1	...	...	...
Encephalitis Lethargica	...	2	1	1	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	7	7	...	...	...	...	...	...	...
Other Epidemic Diseases	...	11	6	1	1	1	1	1	...	...
Tuberculosis of Respiratory System	...	235	132	30	13	13	9	8	6	4
Tuberculous Meningitis	...	39	16	7	4	3	1	3	...	...
Tuber. of Intestines and Peritoneum	...	25	9	3	...	2	2	3	2	...
Other Tuberculous Disease	...	30	14	6	1	...	2	2	2	...
Malignant Tumours	...	273	119	52	25	25	13	7	9	1
Rheumatic Fever	...	4	2	...	...	...	...	...	...	1
Meningitis (not Cerebro-spinal or Tuber.)	...	24	10	3	1	...	3	3	1	1
Apoplexy	...	253	103	51	26	11	6	10	7	4
Heart Disease	...	263	107	47	31	17	5	9	5	3
Diseases of Arteries	...	38	13	6	3	5	2	3	...	...
Bronchitis	...	171	81	14	27	9	4	10	4	1
Pneumonia (all forms)	...	281	137	34	24	15	6	24	8	2
Other Diseases of Respiratory System	...	47	26	7	5	3	2	1	...	...
Diarrhoea and Enteritis (under 2 years)	...	52	30	4	4	3	1	2	...	1
Appendicitis	...	20	9	4	1	1	...	...	1	...
All Diseases of Liver (not Malignant)	...	21	10	2	1	2	1	...	2	...
Nephritis, Acute and Chronic	...	97	44	22	6	4	3	5	2	1
Puerperal Sepsis	...	12	7	...	1	1	...	...	...	1
Other Diseases and Accidents of Pregnancy and Parturition	...	21	5	3	1	1	...	4	...	5
Dis. of Early Infancy and Malformations	...	181	82	19	25	11	4	10	6	4
Suicide	...	9	2	2	4	1	...	...	...	...
Other Violent Deaths	...	92	37	16	6	11	2	4	1	1
Other Defined Diseases	...	456	196	69	33	31	16	21	11	4
Causes Ill-defined or Unknown	...	37	19	3	5	2	1	1	1	...
All Causes	...	3224	1415	459	253	184	105	244	115	39

AGE AT DEATH.

Under 1	...	...	...	...	...	...	...	...	...	...
1- 4	...	...	...	...	503	187	50	14	13	20
5- 9	...	...	...	...	69	28	8	2	2	4
10-14	...	...	...	...	42	24	3	3	3	2
15-24	...	...	...	...	113	67	18	7	5	2
25-34	...	...	...	...	149	81	22	6	10	7
35-44	...	...	...	...	204	102	26	16	10	5
45-54	...	...	...	...	306	143	56	25	11	10
55-64	...	...	...	...	395	167	73	31	22	15
65-74	...	...	...	...	474	200	73	58	35	13
75-84	...	...	...	...	304	119	57	32	23	7
85 and over	...	...	...	...	64	21	15	6	7	4
All Ages	...	3224	1415	459	253	184	105	244	115	39

DEATHS IN EACH TOWN (corrected for Transfers)—May 1922—continued.

CAUSES OF DEATH.

			Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	...	35	2	6	5	4	...	6	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...
Whooping-cough	...	...	5	...	2	...	...	...	3	1
Diphtheria	...	...	...	...	...	...	1	...	...	...
Influenza...	...	...	2	...	2	...	2	...	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System	...	3	2	3	3	4	1	1	1	3
Tuberculous Meningitis	...	...	1	...	...	...	...	1	2	1
Tuber. of Intestines and Peritoneum	...	...	...	1	2	...	...	...	1	...
Other Tuberculous Disease	...	1	...	...	1	...	...	...	1	...
Malignant Tumours	...	5	1	3	2	4	3	1	1	3
Rheumatic Fever	...	...	...	...	...	...	...	...	...	1
Meningitis (not Cerebro-spinal or Tuber.)	1	...	...	...	...	1	...	...	...	...
Apoplexy	...	4	6	4	4	7	5	2	3	3
Heart Disease	...	4	4	6	5	2	6	2	2	10
Diseases of Arteries	...	...	1	...	1	1	1	1	...	2
Bronchitis	...	7	2	2	2	3	3	1	1	1
Pneumonia (all forms)	...	5	2	1	8	5	2	6	2	2
Other Diseases of Respiratory System	...	...	2	...	...	...	...	...	...	1
Diarrhoea and Enteritis (under 2 years)	1	...	...	...	4	1	...	...	1	...
Appendicitis	...	1	1	1	...	...	...	...	...	1
All Diseases of Liver (not Malignant)	1	...	1	...	...	...	...	...	...	1
Nephritis, Acute and Chronic	...	1	2	...	...	1	1	1	2	3
Puerperal Sepsis	...	...	...	...	1	...	...	...	1	...
Other Diseases and Accidents of Pregnancy and Parturition	...	1	...	...	...	1	...	...	...	...
Dis. of Early Infancy and Malformations	1	2	3	2	2	2	4	...	...	6
Suicide	...	...	...	...	...	...	...	...	...	...
Other Violent Deaths	...	2	...	5	3	1	1	2	...	...
Other Defined Diseases	...	6	14	11	9	4	12	10	9	9
Causes Ill-defined or Unknown	...	...	1	2	...	1	1	...	...	...
All Causes	...	86	43	53	52	45	41	42	48	

AGE AT DEATH.

Under 1	...	14	5	7	10	8	4	10	7
1- 4	...	33	5	7	8	8	4	11	2
5- 9	...	1	...	...	3	1	...	...	...
10-14	...	...	...	2	2	...	...	...	...
15-24	...	...	4	1	...	1	...	2	1
25-34	...	2	...	...	2	4	1	...	2
35-44	...	5	4	4	4	1	2	1	4
45-54	...	2	3	7	3	6	4	5	6
55-64	...	13	7	4	6	5	7	6	7
65-74	...	10	7	11	11	4	10	4	7
75-84	...	5	7	8	3	6	9	2	9
85 and over	...	1	1	2	...	1	...	1	3
All Ages	...	86	43	53	52	45	41	42	48

Abstract of Meteorological Observations.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of MAY 1922.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.	
	Mean at Sea-Level and 32°.		Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Days.		Number of Observations at 9 A.M. and 9 P.M.	
	Mean at Station and 32°.		Day of Month.		Humidity.		Difference from Average, 1881-1915.		Total Fall.	
	Maximum (A).	Minimum (B.)	Day of Month.	Maximum.	Dry Bulb.	Vapour Pressure.	Depression of Wet Bulb.	Percent.	inch.	inch.
GLASGOW.	feet.	inch.	•	•	•	•	•	•	..	..
EDINBURGH, Professor R. A. Sampson, F.R.S., Royal Observatory.	184	..	..	..	..	..	..	..	..	..
DUNDEE, Alex. Macrae, Curator of Cemeteries.	441	29.478	29.957	57.8	43.8	50.8	+2.3	76	31st	36
ABERDEEN*, The Meteorological Office.	164	29.772	29.952	59.6	43.0	51.3	+1.9	80	31st	33
PAISLEY, The Coats Observatory.	90	29.808	29.908	58.5	44.1	51.3	+3.1	74	31st	34
LEITH.†	107	29.861	29.979	59.3	44.3	51.8	+0.2	78	31st	34
GREENOCK, † JAMES MACALISTER, M.Inst. C.E., Greenock Waterworks.	76	..	..	..	..	..	..	..	..	..
PERTH, † JOHN RITCHIE, Junr., The Museum.	233	29.709	29.966	56.5	44.8	50.7	+0.9	73	31st	37
Means	165	29.757	29.950	58.7	43.9	51.3	+1.8	..	..	..
North Latitude.—GLASGOW, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 57'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.										
West Longitude.—GLASGOW, 4° 13'; Edinburgh, 4° 27'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 3° 11'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.										

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† At 9 A.M. only.

FOR OFFICIAL USE.

MONTHLY RETURN
OF THE
BIRTHS, DEATHS, AND MARRIAGES
IN SIXTEEN OF THE PRINCIPAL TOWNS OF
SCOTLAND.

JUNE 1922.

Published by Authority of the Registrar-General.

REPORT.

During the month of June 1922 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 5188 living children, of whom 2681 were males, and 2507 were females. The male children of the month numbered 124 less than those of the previous month, and the female children 135 less. The total children registered during the month numbered 259 less than those of the previous month, and 184 less than the mean of those of the three preceding months.

The monthly birth-rate in these burghs taken collectively was 26·6 per thousand. This rate is 0·5 less than that of the previous month, 0·4 less than the mean of those of the three preceding months, and 2·9 less than that of June of last year. In the individual towns the monthly birth-rate ranged from 31·0 in Falkirk, 30·7 in Aberdeen, and 28·6 in Glasgow, to 16·0 in Dunfermline, 21·4 in Perth, and 22·4 in Kirkcaldy. In Clydebank this rate was 27·4, in Paisley 27·3, in Greenock 26·9, in Dundee 25·5, in Coatbridge 25·4, in Hamilton 25·2, in Kilmarnock 24·7, in Ayr 24·0, in Edinburgh 23·1, and in Motherwell and Wishaw 22·7.

Of the 5188 children whose births were registered during the month 4819, or 92·9 per cent., were legitimate, while 369, or 7·1 per cent., were illegitimate. The illegitimate children of the month numbered 1 less than those of the previous month, and 2 less than the mean of the numbers of the three preceding months. The illegitimate rate of the month is 0·3 more than that of the previous month, and 0·2 more than the mean of those of the three preceding months, but is 0·4 less than that of June of last year. In the individual towns this rate varied from 16·5 in Aberdeen, 12·7 in Ayr, 8·9 in Edinburgh, and 8·2 in Falkirk, to 0 in Kirkcaldy, 2·2 in Coatbridge, 2·8 in Clydebank, and 3·3 in Greenock. In Dundee it was 7·7, and in Glasgow 6·1.

The marriages registered during the month numbered 2257. This number is 1236 more than that of the previous month, and 860 more than the mean of those of the three preceding months. The monthly marriage-rate was 11·6 per thousand. It is 6·5 more than that of the previous month, and 4·6 more than the mean of those of the three preceding months, but is 1·4 less than that of June of last year. In the individual towns the monthly marriage-rate varied from 15·1 in Perth, 15·0

in Aberdeen, 13·6 in Edinburgh, and 12·0 in Glasgow, to 5·9 in Clydebank, 6·2 in Falkirk, 6·5 in Hamilton, and 7·0 in Motherwell and Wishaw.

Deaths registered in these towns during the month numbered 2613, 1334 being of males and 1279 of females. Compared with the number registered in the previous month, deaths of males are 369 fewer and those of females 301 fewer. These 2613 deaths include those of 274 persons with usual residence outwith the town of registration, but exclude those of 164 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 110, falls to be deducted to get the corrected number for the month, which is thus found to be 2503.

The monthly death-rate, corrected, is 12·8 per thousand. It is 3·2 less than that of the previous month, and 4·3 less than the mean of the three preceding months, but is 0·2 more than that of June of last year. In the individual towns the monthly death-rate varied from 22·9 in Greenock, 15·3 in Kirkcaldy, and 13·9 in Edinburgh, to 9·7 in Clydebank, 9·8 in Ayr, 10·1 in Dunfermline, and 10·7 in Paisley. In Hamilton this rate was 13·8, in Kilmarnock 13·6, in Falkirk 13·5, in Perth 13·3, in Motherwell and Wishaw 13·0, in Dundee 12·8, in Glasgow 12·2, in Coatbridge 11·6, and in Aberdeen 11·5.

Deaths of children of less than one year old numbered 391. This number is 210 less than that of the previous month, and 279 less than the mean of those of the three preceding months. The infantile mortality rate of the month is 75 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is 36 less than that of the previous month, 49 less than the mean of those of the three preceding months, and 1 less than that of June of last year. In the individual towns this rate varied from 183 in Greenock, 111 in Kirkcaldy, and 82 in Hamilton and in Falkirk, to 29 in Coatbridge, 39 in Kilmarnock, and 40 in Ayr. In Aberdeen it was 77, in Dunfermline 72, in Edinburgh 66, in Motherwell and Wishaw 56, in Perth 54, in Paisley 54, in Dundee 52, and in Clydebank 50.

Deaths from the principal epidemic diseases numbered 237 and equalled a death-rate of 1·2 per thousand. These deaths numbered 316 less than those of the previous month, and 323 less than the mean of the numbers of the three preceding months. This death-rate is 1·5 less than that of the previous month, and 1·6 less than the mean of those of the three preceding months, but is 0·3 more than that of June of last year. These deaths included 2 from enteric fever, 121 from measles, 4 from scarlet fever, 48 from whooping-cough, 15 from diphtheria, and 47 from the diarrhoeas of childhood. Compared with the number of the previous month, deaths from measles are 267 less, from whooping-cough 34 less, from scarlet fever 8 less, from the diarrhoeas of childhood 5 less, from enteric fever 1 less, and from diphtheria 1 less. A high death-rate from these causes, 8·5 per thousand, occurred in Greenock, where measles and whooping-cough were epidemic.

Deaths attributed to influenza numbered 8. In May this number was 22, and in April 27.

Deaths from all forms of respiratory disease, other than phthisis, and exclusive of those associated with influenza, numbered 313. They are 186 fewer than in the previous month, and 311 less than the mean of the numbers of the three preceding months. Of these 313 deaths, 101 were attributed to bronchitis, and 177 to pneumonia.

Deaths from all forms of tuberculosis numbered 285, of which 191 were attributed to tuberculosis of the respiratory system, the former number being 44, and the latter 44 less than that of the previous month.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JUNE 1922.

Mean barometric pressure, 29·881 in.; less than the average of 1881-1915 by 0·088 in.

Mean temperature, 54°·3; less by 0°·9.

Mean daily range of temperature, 14°·8; less by 0°·8.

Rain, number of days, 16; greater by 2 days.

Rain, depth in inches, 2·16; less by 0·03 in.

Wind, direction of : 8 days' excess of winds from south-west and west.

Hence the month was characterised by a low mean pressure; a slightly low mean temperature, with a slightly low mean daily range; a mean rainfall all but equal to the normal; and a large excess of south-westerly and westerly winds.

Until 12th pressure distribution was mainly of an anticyclonic type; but thereafter a series of depressions to the north of Scotland caused rather unsettled conditions at times. The mean pressure of the month was the lowest recorded in June since 1916. At Edinburgh, at sea-level, pressure was above 30 in. on 1st, from 3rd to 7th, and from 11th to 16th, and the extremes there were 30·18 in. on evening of 13th and 29·38 in. on morning of 25th.

The warm weather which had characterised the latter part of May persisted until about 10th or 12th June. Highest readings occurred very generally on 1st, though towards the north-east of Scotland that day was the coldest of the month, with a maximum at Aberdeen of only 51° as compared with 84° at Ruthwell. From 13th onwards temperature was in general below the normal, with lowest readings on night of 13th to 14th (30° at West Linton and Wolfelee).

In western coastal districts the month's rainfall was above the normal; whilst in inland and eastern areas there was a decided deficiency, though in eastern Aberdeenshire a well-defined excess. The dry period which had commenced about 21st May continued in most districts until 9th June or two or three days later. Thereafter rain was rather frequent, and in both the dry and the wet areas a large part of the month's rainfall was accounted for during fairly heavy falls on 12th, 18th, 22nd or 30th. In Berwickshire a fall on 12th represented about one-third of the aggregate for the month.

Fairly strong south-westerly to westerly winds were much in evidence.

On 21st snow fell on the summit of Ben Nevis.

Thunder occurred in west early on 2nd; in east somewhat widely on 24th; and here and there on 25th; and at Aberdeen on 28th.

Except towards the south-east sunshine amounts were somewhat below the normal.

NOTE.--The mean values refer to those of the Principal Towns named in meteorological table on p. 48.

Abstract.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, JUNE 1922.

TOWNS.	POPULATION.		BIRTHS.						DEATHS.					
	Census 1921.	Estimated to middle of 1922.	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.	MARRIAGES.	Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . .	1,034,069	1,037,800	1275	1167	2442	2293	149	1023	565	523	1088	110	66	1044
EDINBURGH, . .	420,281	420,500	412	387	799	728	71	471	277	262	539	71	11	479
DUNDEE, . .	168,217	167,600	183	168	351	324	27	147	78	103	181	12	7	176
ABERDEEN, . .	158,969	158,700	202	198	400	384	66	195	91	70	161	27	16	150
PAISLEY, . .	84,837	85,000	103	88	191	181	10	62	32	51	83	12	4	75
GREENOCK, . .	81,120	81,800	93	88	181	175	6	76	82	74	153	6	4	154
MOTHERWELL AND WISHAW, . .	68,869	69,300	63	66	129	122	7	40	32	31	63	0	11	74
CLYDEBANK, . .	46,515	47,500	60	47	107	104	3	23	12	13	25	1	14	38
COATBRIDGE, . .	43,909	44,000	45	47	92	90	2	26	16	21	37	3	8	42
DUNFERMLINE, . .	39,886	41,000	25	29	54	52	2	24	24	13	37	4	1	34
KIRKCALDY, . .	39,591	39,600	31	42	73	73	0	28	20	24	44	1	7	50
HAMILTON, . .	39,420	29,500	48	34	82	78	4	21	20	23	43	3	5	45
KILMARNOCK, . .	35,756	35,900	36	37	73	70	3	33	21	19	40	3	3	40
AYR, . .	35,741	36,100	34	37	71	62	9	30	16	18	34	6	1	29
FALKIRK, . .	33,312	33,300	40	45	85	78	7	17	23	13	36	3	4	37
PERTH, . .	33,208	33,000	31	27	58	55	3	41	25	21	46	12	2	36
TOTAL . . (SIXTEEN TOWNS)	2,323,814	2,370,600	2681	2507	5183	4819	369	2257	1334	1279	2613	274	164	2503

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, JUNE 1922.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PFR 1000 of POPULATION FROM								DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.				
				Uncorrected.	Corrected.										
GLASGOW, . .	28.6	6.1	12.0	12.8	12.2	0.8	1.4	1.0	1.8	197	80				
EDINBURGH, . .	23.1	8.9	13.6	15.6	13.9	1.1	1.4	0.8	1.3	50	66				
DUNDEE, . .	25.5	7.7	10.7	13.1	12.2	0.3	1.5	0.9	1.9	19	52				
ABERDEEN, . .	30.7	16.5	15.0	12.3	11.5	0.5	1.2	1.1	0.8	27	77				
PAISLEY, . .	27.3	5.2	8.9	11.9	10.7	0.9	1.6	1.0	1.0	10	54				
GREENOCK, . .	26.9	3.3	11.3	23.2	22.9	8.5	2.1	1.2	2.5	34	183				
MOTHERWELL AND WISHAW, . .	22.7	5.4	7.0	11.1	13.0	2.5	1.1	0.4	1.4	9	56				
CLYDEBANK, . .	27.4	2.8	5.9	6.4	9.7	0.3	0.5	0.5	1.5	5	50				
COATBRIDGE, . .	25.4	2.2	7.2	10.2	11.6	1.9	2.8	1.7	1.7	3	29				
DUNFERMLINE, . .	16.0	3.7	7.1	11.0	10.1	1.5	1.5	1.2	0.9	5	72				
KIRKCALDY, . .	22.4	0.0	8.6	13.5	15.3	1.5	2.1	1.5	2.1	9	111				
HAMILTON, . .	25.2	4.9	6.5	13.2	13.8	2.5	2.5	1.5	1.2	8	82				
KILMARNOCK, . .	24.7	4.1	11.2	13.6	13.6	1.7	0.0	0.0	2.4	3	39				
AYR, . .	24.0	12.7	10.1	11.5	9.8	1.7	1.0	0.7	0.3	3	40				
FALKIRK, . .	31.0	8.2	6.2	13.1	13.5	2.2	2.9	2.2	3.3	6	82				
PERTH, . .	21.4	5.2	15.1	17.0	13.3	0.7	1.8	1.5	0.7	3	54				
TOTAL . . (SIXTEEN TOWNS)	26.6	7.1	11.6	13.4	12.8	1.2	1.5	1.0	1.6	391	75				

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR JUNE 1922, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	DEATHS FROM										* Infantile Mortality Rate.	Mean Temperature (Seven Towns only.)
			Marriage-Rate.	Death-Rate.	Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
JUNE 1922, .	26.6	7.1	11.6	12.8	2	0	121	4	48	15	47	75	54°.3	
JUNE 1921, .	29.5	7.5	13.0	12.6	4	0	5	9	96	15	37	76	56°.5	
JUNE 1920, .	30.7	9.5	16.6	13.2	2	19	49	8	23	24	54	86	55°.6	
JUNE 1919, .	21.9	9.3	16.7	12.1	1	0	75	5	69	11	24	88	55°.4	
JUNE 1918, .	20.8	9.5	10.4	11.4	3	0	69	5	60	25	31	81	54°.9	
JUNE 1917, .	22.2	8.6	10.1	14.8	1	0	204	6	201	20	34	99	55°.5	
JUNE 1916, .	25.6	7.6	10.3	13.3	6	0	90	24	29	28	44	82	52°.8	
JUNE 1915, .	25.6	6.9	14.6	17.3	1	0	356	38	113	23	64	117	55°.8	
JUNE 1914, .	30.0	7.5	14.2	15.8	6	0	60	24	74	22	61	109	56°.8	
JUNE 1913, .	28.1	7.3	13.1	15.0	5	0	150	20	101	27	45	96	55°.7	
JUNE 1912, .	25.7	7.3	12.9	14.1	3	0	123	15	54	19	57	104	54°.6	

Figures in Columns 5–13 have, for 1913 and subsequent years, been corrected for non-resident deaths

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—June 1922.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85-
Enteric Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Typhus Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Small-pox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	—	—	—	—	121	63	58	26	88	7	—	—	—	—	—
Scarlet Fever	—	—	—	—	4	3	1	—	3	—	1	—	—	—	—
Whooping-cough	—	—	—	—	48	14	34	17	61	—	—	—	—	—	—
Diphtheria	—	—	—	—	15	8	7	—	9	3	1	—	—	—	—
Influenza	—	—	—	—	8	4	4	—	1	1	1	—	2	2	2
Encephalitis Lethargica	—	—	—	—	7	2	5	—	2	1	—	1	2	2	—
Cerebro-spinal Meningitis	—	—	—	—	4	2	2	1	1	1	1	—	—	—	—
Other Epidemic Diseases	—	—	—	—	13	7	6	4	—	1	1	—	3	2	1
Tuberculosis of Respiratory System	—	—	—	—	191	111	80	2	9	3	10	47	38	39	18
Tuberculous Meningitis	—	—	—	—	33	14	19	3	16	4	2	3	2	2	1
Tuberculosis of Intestines and Peritoneum	—	—	—	—	32	17	15	—	15	2	5	6	1	1	1
Other Tuberculous Disease	—	—	—	—	29	16	13	1	5	5	6	2	5	2	1
Malignant Tumours	—	—	—	—	274	119	155	—	1	2	—	8	23	54	85
Rheumatic Fever	—	—	—	—	7	5	2	—	—	1	1	3	1	—	1
Meningitis (not Cer.-spin. or Tuberc.)	—	—	—	—	22	12	10	6	8	2	3	—	3	—	—
Apoplexy	—	—	—	—	166	74	92	1	—	—	1	—	3	17	47
Heart Disease	—	—	—	—	214	108	106	1	—	1	—	5	10	12	22
Diseases of Arteries	—	—	—	—	40	22	18	—	—	—	1	1	1	3	8
Bronchitis	—	—	—	—	101	62	39	17	7	1	—	1	1	4	22
Pneumonia (all forms)	—	—	—	—	177	102	75	37	46	7	1	5	7	15	20
Other Diseases of Respiratory System	—	—	—	—	35	17	18	5	3	—	—	1	3	3	6
Diarrhoea and Enteritis (under 2 years)	—	—	—	—	47	23	24	39	8	—	—	—	—	—	—
Appendicitis	—	—	—	—	18	8	10	—	—	3	3	3	2	3	1
All Diseases of Liver (not Malignant)	—	—	—	—	26	13	13	—	1	—	1	3	2	4	6
Nephritis, Acute and Chronic	—	—	—	—	91	50	41	2	2	3	1	2	8	15	24
Puerperal Sepsis	—	—	—	—	3	—	3	—	—	—	1	2	—	—	1
Other Dis. & Accidents of Preg. & Part.	—	—	—	—	19	—	19	—	—	—	4	9	6	—	—
Diseases of Early Infancy and Malform.	—	—	—	—	185	108	77	183	—	1	—	1	5	1	5
Suicide	—	—	—	—	12	10	2	—	—	—	—	1	5	1	5
Other Violent Deaths	—	—	—	—	84	58	26	6	3	7	6	8	11	12	7
Other Defined Diseases	—	—	—	—	436	192	244	34	17	7	6	16	24	38	42
Causes Ill-defined or Unknown	—	—	—	—	39	27	12	6	2	—	1	—	1	5	7
	2503	1271	1232	391	278	60	48	116	130	180	234	364	404	246	52

Causes of Death.

DEATHS IN EACH TOWN (corrected for Transfers) - June 1922.

		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
CAUSES OF DEATH.										
Enteric Fever	...	2	1	1	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	121	22	19	...	...	...	2	40	8
Scarlet Fever	...	4	2	1	...	...	...	...	1	...
Whooping-cough	...	48	16	4	1	4	1	14	4	...
Diphtheria	...	15	4	5	1	1	...	2	...	...
Influenza	...	8	3	3	...	...	1	...	1	...
Encephalitis Lethargica	...	7	2	2	1	...	...	...	1	...
Cerebro-spinal Meningitis	...	4	3	...	...	...	...	...	...	...
Other Epidemic Diseases	...	13	5	1	3	1	...	2	...	...
Tuberculosis of Respiratory System	...	191	88	26	12	14	7	8	2	2
Tuberculous Meningitis	...	33	11	9	2	1	2	1	3	...
Tuber. of Intestines and Peritoneum	...	32	13	6	3	...	1	5	1	...
Other Tuberculous Disease	...	29	11	6	4	...	1	...	...	...
Malignant Tumours	...	274	106	65	24	15	9	5	10	5
Rheumatic Fever	...	7	4	1	...	...	...	...	1	...
Meningitis (not Cerebro-spinal or Tuber.)	...	22	11	5	...	...	...	5	...	...
Apoplexy	...	166	62	42	16	11	7	6	...	1
Heart Disease	...	214	72	51	22	16	8	8	4	5
Diseases of Arteries	...	40	15	8	3	6	4	1	1	1
Bronchitis	...	101	44	18	11	2	3	3	6	1
Pneumonia (all forms)	...	177	92	20	11	8	4	11	2	5
Other Diseases of Respiratory System	...	35	18	7	4	1	...	3	...	...
Diarrhoea and Enteritis (under 2 years)	...	47	22	9	2	1	3	1	1	1
Appendicitis	...	18	8	2	2	...	1	2	1	...
All Diseases of Liver (not Malignant)	...	26	10	7	2	2	...	...	2	1
Nephritis, Acute and Chronic	...	91	42	17	3	4	1	4	4	3
Puerperal Sepsis	...	3	1	1	...	...	...	1	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	19	9	6	...	1	...	...	1	1
Dis. of Early Infancy and Malformations	...	185	100	25	10	17	5	12	3	2
Suicide	...	12	5	3	3	...	...	...	1	...
Other Violent Deaths	...	84	44	14	6	3	1	1	2	4
Other Defined Diseases	...	436	177	93	28	37	12	18	12	6
Causes Ill-defined or Unknown	...	39	21	2	2	5	2	1	2	...
All Causes	...	2503	1044	479	176	150	75	154	74	38
AGE AT DEATH.										
Under 1	...	391	197	50	19	27	10	34	9	5
1-4	...	278	91	40	5	6	11	55	19	3
5-9	...	60	30	7	4	1	...	8	1	...
10-14	...	48	23	9	3	1	1	4	1	...
15-24	...	116	48	18	12	6	2	8	3	1
25-34	...	130	66	15	10	8	5	6	5	3
35-44	...	180	80	32	14	11	5	1	7	4
45-54	...	234	93	55	20	12	7	7	4	6
55-64	...	364	157	86	24	13	14	7	12	7
65-74	...	404	145	94	43	37	12	16	8	5
75-84	...	246	95	60	16	21	8	6	3	4
85 and over	...	52	19	13	6	7	...	2	2	...
All Ages	...	2503	1044	479	176	150	75	154	74	38

DEATHS IN EACH TOWN (corrected for Transfers)—June 1922—*continued.*

CAUSES OF DEATH.												
					Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	3	2	4	7	3	5	5	1
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...
Whooping-cough	...	...	...	...	2	1	1	...	...	...	...	...
Diphtheria	...	...	...	...	...	1	...	...	...	...	1	...
Influenza	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	1	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	1	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	1	5	...	...	...	...	...
Tuberculosis of Respiratory System	...	6	4	5	5	5	...	...	2	6	4	4
Tuberculous Meningitis	...	1	...	...	...	1	1	...	...	...	1	1
Tuber. of Intestines and Peritoneum	...	1	...	1	1	1	1	...	...	...	...	...
Other Tuberculous Disease	...	2	1	1	1	1	1	...	1	1	1	...
Malignant Tumours	...	3	3	8	7	4	5	1	...	1	1	4
Rheumatic Fever	...	...	...	...	...	...	...	1	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	4	2	1	4	4	4	1	1	...	1	3
Apoplexy	...	3	2	6	5	1	1	1	2	4	3	4
Heart Disease	...	...	...	...	...	...	...	...	...	...	...	1
Diseases of Arteries	...	...	...	...	...	...	...	...	...	...	...	1
Bronchitis	...	3	1	4	...	...	2	...	...	3	...	...
Pneumonia (all forms)	...	3	2	3	3	4	4	1	6	1	6	2
Other Diseases of Respiratory System	...	...	...	...	...	1	1	1	...	...	...	...
Diarrhoea and Enteritis (under 2 years)	...	2	1	...	...	1	2	1	...	...	...	1
Appendicitis	...	...	...	...	...	...	...	1	...	...	...	1
All Diseases of Liver (not Malignant)	...	2	1	2	...	1	...	1	...	1	...	...
Nephritis, Acute and Chronic	...	...	...	...	...	...	...	2	...	3	3	3
Puerperal Sepsis	...	...	...	...	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	...	1	...	...	...	...	...	...	...
Dis. of Early Infancy and Malformations	...	1	2	2	1	1	1	1	1	1	1	2
Suicide	...	...	...	...	...	...	...	...	...	...	...	...
Other Violent Deaths	...	2	3	1	...	...	1	1	1	1	...	1
Other Defined Diseases	...	4	7	9	5	11	5	11	5	5	5	7
Causes Ill-defined or Unknown	...	...	...	1	1	1	1	1	...	...	...	1
All Causes	...	42	34	50	45	40	29	37	36			
AGE AT DEATH.												
Under 1	...	...	...	3	5	9	8	3	3	6	3	3
1-4	...	...	...	13	3	4	9	4	3	8	4	4
5-9	...	...	...	...	1	2	...	2	1	2	1	1
10-14	...	...	...	1	1	...	1	1	1	...	1	1
15-24	...	...	...	4	1	3	4	...	3	1	2	2
25-34	...	...	...	2	3	2	1	2	...	...	...	2
35-44	...	...	...	3	2	3	1	4	3	8	2	2
45-54	...	...	...	4	3	3	5	3	5	3	4	4
55-64	...	...	...	6	6	5	6	3	3	7	8	8
65-74	...	...	...	3	4	12	5	9	4	...	7	7
75-84	...	...	...	2	4	7	5	8	3	2	2	2
85 and over	...	...	...	1	1	...	...	1	...	...	...	...
All Ages	...	42	34	50	45	40	29	37	36			

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of JUNE 1922.

OBSERVERS.	BARO-METER.	AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.	
		Mean of A and B (Mean Temperature).		Mean at 9 A.M. and 9 P.M.		Difference from Average, 1881-1915.		Number of Days.	
		Mean of Minimum (B.)	Maximum (A.)	Mean of Maximum and Minimum.	Day of Month.	Dry Bulb.	Vapour Pressure.	Depression of Wet Bulb.	Humidity.
		feet.	inch.	°	°	°	°	inch.	inch. per cent.
GLASGOW.	..	..	..	..	..	..	..	..	..
EDINBURGH, Professor R. A. Sampson, R.R.S., Royal Observatory.	29·403	29·884	60·9	46·3	53·6	0·4	76	8th	6, 14, 17
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	29·691	29·870	63·1	46·2	54·7	-0·7	75	8th	14th
ABERDEEN,* The Meteorological Office.	29·741	29·851	59·9	46·5	53·2	-0·3	75	12th	40
PAISLEY, The Coats Observatory.	10 ⁷	29·788	29·905	62·8	55·4	-1·9	79	7th	7, 14
LEITH.†	..	..	..	..	..	..	..	..	..
GREENOCK,† JAMES MACALISTER, M.Inst. C.E., Greenock Waterworks.	29·648	29·903	59·7	48·0	53·9	-1·6	74	1st	42
PERTH,† JOHN RITCHIE, Junr., The Museum.	22	29·852	29·9376	63·5	46·4	5·50	-0·7	81	8th
Means	165	29·688	29·881	61·7	46·9	54·3	-0·9
						53·5	3·4	319	78
						16	2·16	-0·03	2
						1	2	5	3
						20	18	20	6
						3			3

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MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES IN SIXTEEN OF THE PRINCIPAL TOWNS OF SCOTLAND.

JULY 1922.

Published by Authority of the Registrar-General.

REPORT.

During the month of July 1922 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 5068 living children, of whom 2643 were males, and 2425 were females. The male children of the month numbered 38 less than those of the previous month, and the female children 82 less. The total children registered during the month numbered 120 less than those of the previous month, and 181 less than the mean of those of the three preceding months.

The monthly birth-rate in these burghs taken collectively was 25·2 per thousand. This rate is 1·4 less than that of the previous month, 1·4 less than the mean of those of the three preceding months, and 0·8 less than that of July of last year. In the individual towns the monthly birth-rate ranged from 30·5 in Greenock, 27·9 in Kilmarnock, 27·7 in Hamilton, and 26·8 in Glasgow and in Motherwell and Wishaw, to 19·5 in Dunfermline, 21·1 in Kirkcaldy, 21·8 in Edinburgh, and 21·9 in Ayr. In Clydebank this rate was 25·6, in Paisley 25·2, in Falkirk 25·1, in Dundee 25·0, in Coatbridge 24·1, in Perth 23·2, and in Aberdeen 22·9.

Of the 5068 children whose births were registered during the month 4735, or 93·4 per cent., were legitimate, while 333, or 6·6 per cent., were illegitimate. The illegitimate children of the month numbered 36 less than in the previous month, and 33 less than the mean of the numbers of the three preceding months. The illegitimate rate of the month is 0·5 less than that of the previous month, 0·4 less than the mean of those of the three preceding months, and 0·8 less than that of July of last year. In the individual towns this rate varied from 11·0 in Aberdeen, 8·2 in Edinburgh, 7·4 in Dunfermline, 7·1 in Glasgow, and 7·0 in Motherwell and Wishaw, to 1·9 in Clydebank, 2·2 in Hamilton, 2·8 in Greenock, and 3·7 in Dundee.

The marriages registered during the month numbered 2551. This number is 294 more than that of the previous month, and 838 more than the mean of those of the three preceding months. The monthly marriage-rate was 12·7 per thousand. It is 1·1 more than that of the previous month, 4·0 more than the mean of those of the three preceding months, and 0·1 more than in the corresponding month of last year. In the individual towns the monthly marriage-rate varied from 15·9 in Falkirk, 14·4 in Kilmarnock, 14·3 in Dundee, and 14·1 in Edinburgh, to 4·0 in

Clydebank, 4·6 in Greenock, 6·9 in Ayr, and 8·0 in Coatbridge. In Glasgow this rate was 13·3, and in Aberdeen 13·4.

Deaths registered in these towns during the month numbered 2344, 1235 being of males and 1109 of females. Compared with the number registered in the previous month, deaths of males are 99 fewer and those of females 170 fewer. These 2344 deaths include those of 248 persons with usual residence outwith the town of registration, but exclude those of 204 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 44, falls to be deducted to get the corrected number for the month, which is thus found to be 2300. This number is 203 less than that of the previous month, and 782 less than the mean of those of the three preceding months.

The monthly death-rate, based on the corrected number, is 11·4 per thousand. It is 1·4 less than that of the previous month, and 4·2 less than the mean of the three preceding months, but is 0·2 more than that of July of last year. In the individual towns the monthly death-rate varied from 17·4 in Greenock, 14·8 in Kilmarnock, 13·5 in Dundee, and 13·1 in Hamilton, to 7·2 in Dunfermline, 8·4 in Clydebank, 9·1 in Paisley, and 9·6 in Coatbridge. In Falkirk this rate was 12·7, in Kirkcaldy 12·2, in Aberdeen 11·6, in Edinburgh 11·5, in Glasgow 11·0, in Motherwell and Wishaw 10·9, in Perth 10·3, and in Ayr 10·1.

Deaths of children of less than one year old numbered 333. This number is 58 less than that of the previous month, and 237 less than the mean of those of the three preceding months. The infantile mortality rate of the month is 62 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is 13 less than that of the previous month, 45 less than the mean of those of the three preceding months, and 8 less than that of July of last year. In the individual towns this rate varied from 138 in Greenock, 86 in Clydebank, 84 in Coatbridge, and 76 in Kilmarnock, to 25 in Kirkcaldy, 34 in Perth, and 39 in Falkirk. In Aberdeen it was 66, in Paisley 63, in Edinburgh 61, in Dundee 61, in Motherwell and Wishaw 60, in Glasgow 58, in Ayr 53, in Hamilton 51, and in Dunfermline 43.

Deaths from the principal epidemic diseases numbered 177 and equalled a death-rate of 0·9 per thousand. These deaths numbered 60 less than those of the previous month, and 305 less than the mean of the numbers of the three preceding months. This death-rate is 0·3 less than that of the previous month, and 1·5 less than the mean of those of the three preceding months, but is the same as that for the corresponding month of last year. They included 1 from enteric fever, 63 from measles, 6 from scarlet fever, 39 from whooping-cough, 18 from diphtheria, and 50 from the diarrhoeas of childhood. Compared with the numbers of the previous month, deaths from diphtheria and from the diarrhoeas of childhood are each 3 more, and those from scarlet fever are 2 more, but those from enteric fever are 1 fewer, from whooping-cough 9 fewer, and from measles 58 fewer. A relatively high death-rate from these causes occurred in Greenock, where measles and whooping-cough were both epidemic.

Deaths attributed to influenza numbered 5. In June this number was 8, and in May 22.

Deaths from all forms of respiratory disease, other than phthisis, and exclusive of those associated with influenza, numbered 266. They are 47 fewer than in the previous month, and 228 fewer than the mean of the numbers of the three preceding months. Of these 266 deaths, 82 were attributed to bronchitis, and 152 to pneumonia.

Deaths from all forms of tuberculosis numbered 258, of which 179 were attributed to tuberculosis of the respiratory system, the former being 27 fewer, and the latter 12 fewer than in the previous month.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JULY 1922.

Mean barometric pressure, 29·769 in.; less than the average of 1881–1915 by 0·131 in.

Mean temperature, 55°·2; less by 2°·7.

Mean daily range of temperature, 12°·9; less by 1°·8.

Rain, number of days, 19; greater by 3 days.

Rain, depth in inches, 3·57; greater by 0·60 in.

Wind, direction of: a 3 days' excess of winds from between south-west and north-west.

Hence the month was characterised by an abnormally low mean pressure; an abnormally low mean temperature, with a low mean daily range; a rather high mean rainfall; and an excess of winds from between south-west and north-west.

Until 10th pressure distribution was of a very unsettled type; with depressions at first to the north of Scotland, and then, between 5th and 9th, two very deep ones moving north-east across England. Around 15th and during the last week conditions were again somewhat unsettled. At Edinburgh, at sea-level, pressure was above 30 in. only from 10th to 12th, on 25th, and on 27th and 28th, and the extremes there were 30·19 in. on morning of 11th and 29·35 in. on morning of 2nd.

The cold weather which had set in about the middle of June persisted practically throughout the whole of July; the first week was exceptionally cold; and on the whole a colder July has been experienced during the last fifty years in Scotland only in 1888. Day temperatures were conspicuously low, but hardly lower than in the very cold July of 1920, and only at two or three places did the thermometer reach 70°. The highest reading reported was 71° at Smeaton on 11th and 18th, and in every other July during the last sixty years some higher reading than that has been recorded in Scotland. The lowest reading was 32° at Balmoral on 8th.

In the extreme north-west and in some south-western districts the month's rainfall was below the normal; whilst in east and south there was a well-defined excess with rather large amounts in Aberdeenshire and the Border Counties. Until 9th wet or very wet weather was general, with some heavy falls in the north-east of Scotland from 6th to 9th:—at Peterhead 1·37 in. on 6th, at Keith 2·45 in. on 8th, and at Aberlour 1·82 in. on 9th. Conditions again deteriorated around 15th, with some rather heavy falls on that day, and, after variable weather, there was a good deal of rain in most districts during the last week.

Between 5th and 9th wind force was very high, and on 9th and 10th the Spey and other northern rivers were in flood.

A thunderstorm, with hail at places, was experienced in various districts on the afternoon of 4th, and again on 31st.

The month was a cloudy one, especially towards the north-east, but at Stornoway the sunshine aggregate was above the normal.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 56.

Abstract.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, JULY 1922.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.		DEATHS.				
	Census 1921.	Estimated to middle of 1922.	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.	Males.	Females.	Total.	Out.	In.	Total Corrected.	
GLASGOW, .	1,034,069	1,037,800	1208	1151	2359	2192	167	1172	539	439	978	100	92	970
EDINBURGH, .	420,281	420,500	400	379	779	715	64	504	241	223	464	65	11	410
DUNDEE, .	168,217	167,600	193	163	356	343	13	204	81	111	192	12	12	192
ABERDEEN, .	158,969	158,700	157	152	309	275	34	181	71	83	154	22	24	156
PAISLEY, .	84,837	85,000	103	79	182	173	9	92	41	29	70	7	3	66
GREENOCK, .	81,120	81,800	106	106	212	206	6	32	60	58	118	3	6	121
MOTHERWELL AND WISHAW, .	68,869	69,300	98	60	158	147	11	59	31	24	55	2	11	64
CLYDEBANK, .	46,515	47,500	52	51	103	101	2	16	8	16	24	0	10	34
COATBRIDGE, .	43,909	44,000	51	39	90	86	4	30	22	9	31	1	6	36
DUNFERMLINE, .	39,886	41,000	33	35	68	63	5	38	18	10	28	6	3	25
KIRKCALDY, .	39,591	39,600	44	27	71	68	3	34	16	18	34	3	10	41
HAMILTON, .	39,420	29,500	51	42	93	91	2	41	28	11	39	2	7	44
KILMARNOCK, .	35,756	35,900	42	43	85	81	4	44	27	20	47	5	3	45
AYR, . . .	35,741	36,100	25	42	67	64	3	21	18	19	37	7	1	31
FALKIRK, . . .	33,312	33,300	41	30	71	68	3	45	19	16	35	3	4	36
PERTH, . . .	33,208	33,000	39	26	65	62	3	38	15	23	38	10	1	29
TOTAL . . . (SIXTEEN TOWNS)	2,363,700	2,370,600	2643	2425	5068	4735	333	2551	1235	1109	2344	248	204	2300

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, JULY 1922.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM					DEATHS UNDER ONE YEAR OF AGE.		
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncorrected.	Corrected.						
GLASGOW, .	26·8	7·1	13·3	11·1	11·0	0·7	1·3	0·9	1·4	146	58
EDINBURGH, .	21·8	8·2	14·1	13·0	11·5	0·8	1·4	1·0	1·2	48	61
DUNDEE, .	25·0	3·7	14·3	13·5	13·5	0·6	1·3	0·9	1·3	23	61
ABERDEEN, .	22·9	11·0	13·4	11·4	11·6	0·7	1·2	0·9	1·1	24	66
PAISLEY, .	25·2	4·9	12·7	9·7	9·1	0·7	1·4	1·0	0·7	12	63
GREENOCK, .	30·5	2·8	4·6	17·0	17·4	4·6	1·2	1·0	1·9	27	138
MOTHERWELL AND WISHAW, .	26·8	7·0	10·0	9·3	10·9	0·8	1·5	0·5	1·5	10	60
CLYDEBANK, .	25·6	1·9	4·0	6·0	8·4	0·0	0·5	0·2	1·2	9	86
COATBRIDGE, .	24·1	4·4	8·0	8·3	9·6	1·1	0·8	0·6	2·1	9	84
DUNFERMLINE, .	19·5	7·4	10·9	8·0	7·2	0·3	0·9	0·6	0·0	3	43
KIRKCALDY, .	21·1	4·2	10·1	10·1	12·2	1·2	1·2	0·9	0·9	2	25
HAMILTON, .	27·7	2·2	12·2	11·6	13·1	1·5	2·1	1·5	1·8	5	51
KILMARNOCK, .	27·9	4·7	14·4	15·4	14·8	1·6	1·0	1·0	2·0	6	76
AYR, . . .	21·0	4·5	6·9	12·1	10·1	0·7	1·3	1·0	0·7	4	53
FALKIRK, . . .	25·1	4·2	15·9	12·4	12·7	1·4	1·1	0·7	1·4	3	39
PERTH, . . .	23·2	4·6	13·6	13·6	10·3	0·4	0·0	0·0	1·4	2	34
TOTAL . . . (SIXTEEN TOWNS)	25·2	6·6	12·7	11·6	11·4	0·9	1·3	0·9	1·3	323	62

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR JULY 1922, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	DEATHS FROM												* Infantile Mortality Rate.	(14) (Mean Temperature (Seven Towns only.)
		Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)			
JULY 1922, .	25·2	6·6	12·7	11·4	1	0	63	6	39	18	50	62	55°·2		
JULY 1921, .	26·0	7·3	12·6	11·2	5	0	6	16	52	17	88	70	60°·5		
JULY 1920, .	28·7	7·8	17·8	12·1	5	30	19	7	15	15	59	71	55°·8		
JULY 1919, .	21·3	8·9	16·8	11·1	3	0	48	4	53	20	32	78	57°·0		
JULY 1918, .	22·1	9·5	12·3	15·7	10	0	44	9	72	27	42	85	57°·8		
JULY 1917, .	21·1	8·1	10·4	13·2	2	0	121	9	141	14	42	83	59°·1		
JULY 1916, .	24·2	7·1	9·9	12·2	6	0	66	26	25	20	46	72	58°·0		
JULY 1915, .	23·6	6·2	14·0	14·4	4	0	229	46	62	34	78	100	57°·3		
JULY 1914, .	27·7	6·2	12·8	13·3	9	0	41	21	49	15	86	91	58°·9		
JULY 1913, .	27·0	6·8	13·6	13·9	3	0	109	19	62	18	81	86	58°·3		
JULY 1912, .	28·3	7·4	14·3	14·4	6	0	54	14	62	24	111	105	58°·1		

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—July 1922.

CAUSES OF DEATH.			Total.	Males.	Females.	Age.												
						-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85-	
Enteric Fever	-	-	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles	-	-	63	32	31	13	47	3	-	-	-	-	-	-	-	-	-	-
Scarlet Fever	-	-	6	2	4	-	4	2	-	-	-	-	-	-	-	-	-	-
Whooping-cough	-	-	39	18	21	18	20	1	-	-	-	-	-	-	-	-	-	-
Diphtheria	-	-	18	11	7	1	9	8	-	-	-	-	-	-	-	-	-	-
Influenza	-	-	5	2	3	-	-	-	-	-	1	1	1	1	1	1	1	-
Encephalitis Lethargica	-	-	2	1	1	-	-	-	1	1	-	-	-	-	-	-	-	-
Cerebro-spinal Meningitis	-	-	6	4	2	-	2	1	1	2	-	-	-	-	-	-	-	-
Other Epidemic Diseases	-	-	13	5	8	2	1	-	-	3	2	-	-	3	1	-	-	1
Tuberculosis of Respiratory System	-	179	96	83	1	8	2	5	44	35	35	22	23	-	4	-	-	-
Tuberculous Meningitis	-	31	17	14	7	15	1	4	2	1	-	-	-	1	-	-	-	-
Tuberculosis of Intestines and Peritoneum	-	24	13	11	2	6	2	3	6	3	1	-	-	1	-	-	-	-
Other Tuberculous Disease	-	24	8	16	1	2	4	4	8	1	-	-	-	1	1	2	-	-
Malignant Tumours	-	239	99	140	-	-	-	-	2	3	20	50	71	60	29	4	-	-
Rheumatic Fever	-	13	4	9	-	-	-	-	1	8	2	-	-	1	-	-	1	-
Meningitis (not Cer.-spin. or Tuberc.)	-	22	11	11	7	10	1	1	1	1	-	-	-	-	-	-	-	-
Apoplexy	-	208	98	110	-	-	1	1	2	10	6	17	24	51	60	59	5	-
Heart Disease	-	214	114	100	-	-	-	-	-	-	-	-	-	2	2	6	10	12
Diseases of Arteries	-	34	22	12	-	-	-	-	-	-	-	-	-	2	2	6	10	12
Bronchitis	-	82	49	33	4	4	-	-	1	-	-	-	-	4	10	16	25	14
Pneumonia (all forms)	-	152	105	47	23	31	1	2	11	11	12	9	20	19	12	1	-	-
Other Diseases of Respiratory System	-	32	19	13	1	3	-	-	2	4	4	2	4	7	5	-	-	-
Diarrhea and Enteritis (under 2 years)	-	50	24	26	38	12	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis	-	19	7	12	-	1	2	1	4	2	3	2	2	2	2	2	-	-
All Diseases of Liver (not Malignant)	-	19	7	12	-	-	-	-	-	-	-	1	1	6	6	2	3	-
Nephritis, Acute and Chronic	-	61	35	26	-	2	2	1	2	5	10	10	10	10	11	7	1	-
Puerperal Sepsis	-	16	-	16	-	-	-	-	-	5	7	4	-	-	-	-	-	-
Other Dis. & Accidents of Preg. & Part.	-	15	-	15	-	-	-	-	-	5	6	4	-	-	-	-	-	-
Diseases of Early Infancy and Malform.	-	173	107	66	171	2	-	-	-	-	-	-	-	-	-	-	-	-
Suicide	-	9	6	3	-	-	-	-	-	-	1	1	5	2	-	-	-	-
Other Violent Deaths	-	92	62	30	7	11	4	8	5	12	6	10	5	15	8	1	-	-
Other Defined Diseases	-	396	199	197	34	19	7	6	17	20	33	44	55	68	73	20	-	-
Causes Ill-defined or Unknown	-	43	24	19	3	-	-	-	1	1	4	5	13	7	8	1	-	-
	2300	1202	1098	333	210	42	41	142	126	169	235	348	357	257	40			

Causes of Death.

DEATHS IN EACH TOWN (corrected for Transfers)—July 1922.

		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
CAUSES OF DEATH.										
Enteric Fever	...	1	1	1	1	1	1	1	1	1
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	63	12	12	12	3	1	21	5	1
Measles	...	6	2	2	1	1	2	10	...	...
Scarlet Fever	...	6	8	9	2	2	2	...	...	...
Whooping-cough	...	39	8	9	4	...	...	...	...	...
Diphtheria	...	18	8	3	4	...	...	...	...	...
Influenza	...	5	2	1	1	1	1	1	1	1
Encephalitis Lethargica	...	2	1	1	1	1	1	1	1	1
Cerebro-spinal Meningitis	...	6	5	5	4	2	2	1	2	...
Other Epidemic Diseases	...	13	6	6	13	12	7	7	3	1
Tuberculosis of Respiratory System	...	179	79	37	13	12	7	7	3	1
Tuberculous Meningitis	...	31	13	7	2	2	2	1	2	...
Tuber. of Intestines and Peritoneum	...	24	10	3	2	1	1	...	4	...
Other Tuberculous Disease	...	24	14	4	2	1	1	...	1	1
Malignant Tumours	...	239	101	47	21	19	5	8	5	4
Rheumatic Fever	...	13	8	1	...	...	...	...	1	...
Meningitis (not Cerebro-spinal or Tuber.)	...	22	8	3	1	1	1	6	3	1
Apoplexy	...	208	85	47	18	17	5	7	3	1
Heart Disease	...	214	75	51	23	14	7	5	5	4
Diseases of Arteries	...	34	13	6	7	2	2	1	...	...
Bronchitis	...	82	42	16	8	6	...	2	1	...
Pneumonia (all forms)	...	152	69	23	7	8	1	8	8	5
Other Diseases of Respiratory System	...	32	13	5	3	1	4	3	...	...
Diarrhoea and Enteritis (under 2 years)	...	50	30	4	1	4	3	1	...	...
Appendicitis	...	19	10	3	1	...	...	...	1	...
All Diseases of Liver (not Malignant)	...	19	7	5	1	1	...	1	...	1
Nephritis, Acute and Chronic	...	61	21	13	7	8	2	4	...	...
Puerperal Sepsis	...	16	13	...	1	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	15	4	4	...	2	...	1	1	...
Dis. of Early Infancy and Malformations	...	173	78	29	15	9	7	13	4	4
Suicide	...	9	4	3	1	...	...	...	1	...
Other Violent Deaths	...	92	35	15	8	5	4	5	6	2
Other Defined Diseases	...	396	169	56	41	27	12	14	14	8
Causes Ill-defined or Unknown	...	43	24	2	2	5	1	2	...	2
All Causes	...	2300	970	410	192	156	66	121	64	34
AGE AT DEATH.										
Under 1	...	333	146	48	23	24	12	27	10	9
1-4	...	210	65	30	15	12	8	35	14	3
5-9	...	42	21	5	5	...	1	2	1	...
10-14	...	41	19	5	1	1	3	3	3	1
15-24	...	142	63	28	8	8	2	6	6	2
25-34	...	126	60	25	8	3	3	2	3	3
35-44	...	169	91	25	12	8	4	7	5	...
45-54	...	235	109	43	20	17	2	5	3	2
55-64	...	348	151	72	29	24	8	13	10	5
65-74	...	357	127	77	37	24	8	13	8	7
75-84	...	257	105	43	27	31	14	8	1	2
85 and over	...	40	13	9	7	4	1	...	...	...
All Ages	...	2300	970	410	192	156	66	121	64	34

DEATHS IN EACH TOWN (corrected for Transfers)—July 1922—continued.

CAUSES OF DEATH.

		Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	...	...	1	...	2	3	1	2	1
Scarlet Fever	...	...	...	...	...	...	...	...	...
Whooping-cough	...	3	1	1	...	...	...	1	1
Diphtheria	...	...	...	...	...	1	1	1	...
Influenza	...	...	...	...	...	1	...	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	1	1	...	...	...
Other Epidemic Diseases	...	...	...	1	1	...	...	...	1
Tuberculosis of Respiratory System	...	2	2	3	5	3	3	2	...
Tuberculous Meningitis	...	1	...	...	1	...	...	...	...
Tuber. of Intestines and Peritoneum	...	...	1	...	1	...	...	1	...
Other Tuberculous Disease	...	...	...	1	...	...	1	...	...
Malignant Tumours	...	4	6	4	3	2	4	3	3
Rheumatic Fever	...	...	1	...	1	1	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	...	...	...	1	1	...	...	1
Apoplexy	...	2	2	1	4	4	3	1	8
Heart Disease	...	2	4	7	4	4	3	4	2
Diseases of Arteries	...	1	1	...	...	...	...	1	...
Bronchitis	...	3	...	...	3	...	...	...	1
Pneumonia (all forms)	...	5	...	3	3	5	2	4	1
Other Diseases of Respiratory System	...	...	...	...	...	1	...	...	2
Diarrhoea and Enteritis (under 2 years)	...	...	...	1	2	4	...	...	...
Appendicitis	...	...	...	1	1	...	1	...	1
All Diseases of Liver (not Malignant)	...	...	...	...	1	1	...	1	...
Nephritis, Acute and Chronic	...	...	...	...	1	2	...	2	1
Puerperal Sepsis	...	1	...	...	...	...	...	1	...
Other Diseases and Accidents of Pregnancy and Parturition	...	2	...	...	...	1	...	...	...
Dis. of Early Infancy and Malformations	...	3	1	...	3	1	3	2	1
Suicide	...	...	...	...	...	...	...	...	...
Other Violent Deaths	...	2	1	3	...	2	...	2	2
Other Defined Diseases	...	4	5	12	6	10	7	7	4
Causes Ill-defined or Unknown	...	...	...	1	...	1	2	1	...
All Causes	...	36	25	41	44	45	31	36	29

AGE AT DEATH.

	Under 1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over

	9	3	2	5	6	4	3	4	5	6	7	8
	3	...	4	8	2	...	...	...	2	2	4	1
	...	1	...	...	3	...	...	...	3	1	...	1
	2	1	...	...	5	3	...	...	2	2	1	...
	3	1	...	...	3	2	2	2	3	4	2	2
	2	2	2	2	2	2	2	4	4	4	5	3
	3	2	2	2	2	2	2	4	3	3	1	3
	4	1	6	6	5	2	6	7	5	4	5	3
	1	3	8	8	3	2	8	7	5	6	7	4
	7	7	6	7	6	7	8	7	6	6	7	5
	2	4	4	2	4	2	3	2	3	3	5	3
	...	...	2	2	...	...	...	...	...	...	...	2
All Ages	...	36	25	41	44	45	31	36	29			

Abstract of Meteorological Observations.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of JULY 1922.

OBSERVERS.	BARO-METER.	AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRECIPITATION.						WIND DIRECTIONS.							
		Mean of at Sea-Level and 32°.		Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Observations at 9 A.M. and 9 P.M.											
		Mean of Minimum (B.)	Maximum (A.)	Day of Month.	Day of Month.	Dry Bulb.	Vapour Pressure.	Depression of Wet Bulb.	Humidity.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	
GLASGOW.	feet.	inch.	inch.	°	°	°	°	°	°	..	..	..	..	..	..	..	..
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.302	29.774	60.7	48.1	54.4	-2.5	68	29, 30	45	8th	53.3	2.9	*328	80	19	3.74 +1.11		
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.579	29.757	62.8	48.4	55.6	-2.8	63	17, 20	42	8th	54.3	1.9	*368	87	19	3.25 +0.51		
ABERDEEN,* The Meteorological Office.	90	29.645	29.751	60.3	48.8	54.6	-2.0	67	29th	41	8th	54.5	3.0	*342	80	16	4.19 +1.38		
PAISLEY, The Coats Observatory.	107	29.673	29.790	62.5	49.5	55.9	-3.4	69	15th	43	15th	54.5	3.1	*339	79	23	2.83 -0.03		
LEITH.†	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
GREENOCK,† JAMES MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.532	29.787	60.0	49.6	54.8	-2.8	64	15, 29	46	15th	54.6	3.4	*334	78	24	4.16 +0.24		
PERTH,† JOHN RITCHIE, Junr., The Museum.	22	29.729	29.753	63.2	47.9	55.6	-2.8	70	18th	40	8, 15	..	..	..	..	15	3.26 +0.37
Means	176	29.577	29.769	61.6	48.7	55.2	-2.7	..	..	..	..	54.2	2.9	*342	81	19	3.57 +0.60

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.
West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

† At 9 A.M. only

* At King's College at 7 A.M. and 6 P.M.

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FOR OFFICIAL USE.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES IN SIXTEEN OF THE PRINCIPAL TOWNS OF SCOTLAND.

AUGUST 1922.

Published by Authority of the Registrar-General.

REPORT.

During the month of August 1922 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4862 living children, of whom 2400 were males, and 2462 were females. The male children of the month numbered 243 less than those of the previous month, but the female children were 37 more. The total children registered during the month numbered 206 less than those of the previous month, and 372 less than the mean of those of the three preceding months.

The monthly birth-rate in these burghs taken collectively was 24·1 per thousand. This rate is 1·1 less than that of the previous month, 2·2 less than the mean of those of the three preceding months, and 2·1 less than that for August of last year. In the individual towns the monthly birth-rate ranged from 27·9 in Greenock, 26·2 in Kilmarnock, and 25·5 in Glasgow, to 17·5 in Kirkcaldy, 18·6 in Ayr, and 20·5 in Falkirk. In Dunfermline this rate was 25·3, in Dundee 24·7, in Clydebank 24·6, in Aberdeen 23·7, in Motherwell and Wishaw 23·6, in Coatbridge 23·3, in Hamilton 23·2, in Paisley 22·9, in Perth 22·8, and in Edinburgh 21·7.

Of the 4862 children whose births were registered during the month 4548, or 93·5 per cent., were legitimate, while 314, or 6·5 per cent., were illegitimate. The illegitimate children of the month numbered 19 less than in the previous month, and 43 less than the mean of the numbers of the three preceding months. The illegitimate rate of the month is 0·1 less than that of the previous month, 0·3 less than the mean of those of the three preceding months, and 1·2 less than that of August of last year. In the individual towns this rate varied from 14·0 in Ayr, 9·4 in Perth, and 8·8 in Aberdeen, to 0·0 in Kirkcaldy, 1·1 in Coatbridge, and 1·3 in Kilmarnock.

The marriages registered during the month numbered 1503. This number is 1048 less than that of the previous month, and 440 less than the mean of those of the three preceding months. The monthly marriage-rate was 7·5 per thousand. It is 5·2 less than that of the previous month, 2·3 less than the mean of those of the three preceding months, and 1·2 less than that of August of last year. In the individual towns the monthly marriage-rate ranged from 11·3 in Falkirk,

10·7 in Aberdeen, and 9·6 in Edinburgh, to 4·3 in Coatbridge, 4·6 in Ayr, and 4·8 in Motherwell and Wishaw. In Glasgow this rate was 7·1, and in Dundee 6·3.

Deaths registered in these towns during the month numbered 2147, 1074 being of males and 1073 of females. Compared with the numbers registered in the previous month, deaths of males are 161 fewer and those of females 36 fewer. These 2147 deaths included those of 202 persons with usual residence outwith the town of registration, but excluded those of 172 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 30, falls to be deducted to get the corrected number for the month, which is thus found to be 2117. This number is 183 less than that of the previous month, and 559 less than the mean of those of the three preceding months.

The monthly death-rate, based on the corrected number, is 10·5 per thousand. It is 0·9 less than that of the previous month, 2·9 less than the mean of those of the three preceding months, and 2·3 less than that for August of last year. In the individual towns the monthly death-rate varied from 13·6 in Perth, 12·8 in Kilmarnock and 12·0 in Coatbridge, to 5·0 in Clydebank, 6·0 in Falkirk, and 6·2 in Ayr. In Hamilton it was 11·6, in Edinburgh 11·5, in Dundee 11·3, in Glasgow 10·6, in Motherwell and Wishaw 10·4, in Kirkcaldy 10·4, in Greenock 10·2, in Aberdeen 10·0, in Dunfermline 9·2, and in Paisley 8·9.

Deaths of children of less than one year old numbered 286. This number is 47 less than that of the previous month, and 156 less than the mean of those of the three preceding months. The infantile mortality rate of the month is 54 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is 8 less than that of the previous month, 29 less than the mean of those of the three preceding months, and 51 less than that of August of last year. In the individual towns this rate varied from 99 in Dunfermline, 85 in Coatbridge, and 83 in Perth, to 19 in Clydebank, 27 in Falkirk, and 36 in Edinburgh. In Greenock it was 77, in Aberdeen 75, in Dundee 56, in Glasgow 55, in Ayr 54, in Kilmarnock 51, in Motherwell and Wishaw 49, in Paisley 47, in Hamilton 42, and in Kirkcaldy 38.

Deaths from the principal epidemic diseases numbered 111 and equalled a death-rate of 0·6 per thousand. These deaths numbered 66 less than those of the previous month, and 211 less than the mean of the numbers of the three preceding months. The death-rate is 0·3 less than that of the previous month, and 1·0 less than the mean of those of the three preceding months, and 0·8 less than that of August of last year. They included 26 from measles, 4 from scarlet fever, 28 from whooping-cough, 18 from diphtheria, and 35 from the diarrhoeas of childhood. No deaths from enteric fever were registered during the month. Compared with the numbers of the previous month, deaths from measles are 37 fewer, from the diarrhoeas of childhood 15 fewer, from whooping-cough 11 fewer, and from scarlet fever 2 fewer, while those from diphtheria are the same as in that month.

Deaths attributed to influenza numbered 7. In July they numbered 5, and in June 8.

Deaths from all forms of respiratory disease, other than phthisis, and exclusive of those associated with influenza, numbered 227. They are 39 fewer than in the previous month, and 132 fewer than the mean of the numbers of the three preceding months. Of these 227 deaths, 85 were attributed to bronchitis, and 118 to pneumonia.

Deaths from all forms of tuberculosis numbered 228, of which 154 were attributed to tuberculosis of the respiratory system, the former being 30 fewer, and the latter 25 fewer than in the previous month.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

AUGUST 1922.

Mean barometric pressure, 29·834 in.; less than the average of 1881-1915 by 0·025 in.

Mean temperature, 54°·8; less by 2°·4.

Mean daily range of temperature, 12°·4; less by 1°·8.

Rain, number of days, 17; less by 1 day.

Rain, depth in inches, 2·37; less by 1·28 in.

Hence the month was characterised by a slightly low mean pressure; an abnormally low mean temperature, with a low mean daily range; and a low mean rainfall.

The pressure distribution was mainly of an unsettled type; with depressions passing eastwards beyond the north of Scotland. From 4th to 9th, however, with high pressure over the Icelandic region, and north-easterly winds over Scotland, disturbances took a track further to the south. On 7th and 8th two successive depressions moved north-eastward over England, with abnormally heavy rains in the Midland Counties, and moderate to rather heavy falls on the Scottish Borders.

The prolonged cold spell which had set in about the middle of June and persisted throughout July continued unbroken, and during the last sixty years in Scotland an appreciably colder August has been experienced only in 1912. The days were exceptionally cold, and at only a few stations did temperature on any day reach the moderate level of 70°. The highest reading reported was 73° at Aberdeen on 19th, and the lowest 30° at Balmoral on 12th.

There were moderate rains in north and east on 1st and 2nd; local thunder rains on 6th; and on 8th rather widespread falls in southern districts—about 1½ in. at Marchmont in Berwickshire. From 12th onwards rain was rather frequent, though heavy falls were rare. The most general fall occurred on 15th, with 1·61 in. at Ardgour. Only at isolated places in west and north did the month's rainfall reach the normal, and in general there was a well-marked deficiency. Indeed, in parts of the Lothians and in the Lower Tay valley aggregates were less than half the normal. The month in this respect differed notably from the cold August of 1912, which was very wet except in the extreme west.

Thunder occurred in some eastern districts on 1st and 2nd; and sporadically on 6th, 17th, 22nd, and 31st.

There was a good deal of cloudy weather; but the month's sunshine aggregate almost equalled the normal at Edinburgh, and was above it at Stornoway.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 64.

Abstract.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, AUGUST 1922.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1922.	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, .	1,034,069	1,037,800	1082	1164	2246	2087	159	627	474	458	932	70	69	931
EDINBURGH, .	420,281	420,500	392	384	776	722	54	342	220	217	437	49	22	410
DUNDEE, .	168,217	167,600	178	174	352	327	25	89	70	86	156	6	11	161
ABERDEEN, .	158,969	158,700	161	159	320	292	28	144	63	79	142	24	17	135
PAISLEY, .	84,837	85,000	88	77	165	160	5	36	31	37	68	10	6	64
GREENOCK, .	81,120	81,800	98	96	194	190	4	42	35	35	70	4	5	71
MOTHERWELL AND WISHAW, .	68,869	69,300	67	72	139	132	7	28	23	31	54	0	7	61
CLYDEBANK, .	46,515	47,500	38	61	99	95	4	20	10	6	16	2	6	20
COATBRIDGE, .	43,909	44,000	47	40	87	86	1	16	24	16	40	2	7	45
DUNFERMLINE, .	39,886	41,000	50	38	88	83	5	22	17	18	35	3	0	32
KIRKCALDY, .	39,591	39,600	30	29	59	59	0	22	13	18	31	1	5	35
HAMILTON, .	39,420	39,500	33	45	78	75	3	27	17	15	32	0	7	39
KILMARNOCK, .	35,756	35,900	39	41	80	79	1	18	22	15	37	3	5	39
AYR, . . .	35,741	36,100	30	27	57	49	8	14	17	11	28	11	2	19
FALKIRK, . . .	33,312	33,300	31	27	58	54	4	32	12	6	18	2	1	17
PERTH, . . .	33,208	33,000	36	28	64	58	6	24	26	25	51	15	2	38
TOTAL . . . (SIXTEEN TOWNS)	2,363,700	2,370,600	2400	2462	4862	4548	314	1503	1074	1073	2147	202	172	2117

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, AUGUST 1922.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncorrected.	Corrected.						
GLASGOW, .	25.5	7.1	7.1	10.6	10.6	0.6	1.3	1.0	1.2	138	55
EDINBURGH, .	21.7	7.0	9.6	12.2	11.5	0.4	1.1	0.8	1.0	28	36
DUNDEE, .	24.7	7.1	6.3	11.0	11.3	0.1	1.6	1.1	1.5	21	56
ABERDEEN, .	23.7	8.8	10.7	10.5	10.0	0.3	0.8	0.5	0.7	27	75
PAISLEY, .	22.9	3.0	5.0	9.4	8.9	0.7	0.1	0.1	0.8	9	47
GREENOCK, .	27.9	2.1	6.0	10.1	10.2	0.7	1.4	0.7	1.6	15	77
MOTHERWELL AND WISHAW, .	23.6	5.0	4.3	9.2	10.4	1.0	1.2	0.2	1.5	8	49
CLYDEBANK, .	24.6	4.0	5.0	4.0	5.0	0.5	0.2	0.0	0.2	2	19
COATBRIDGE, .	23.3	1.1	4.3	10.7	12.0	0.5	1.3	0.8	2.1	9	85
DUNFERMLINE, .	25.3	5.7	6.3	10.1	9.2	0.6	0.3	0.0	1.1	7	99
KIRKCALDY, .	17.5	0.0	6.5	9.2	10.4	1.2	0.9	0.6	0.9	3	38
HAMILTON, .	23.2	3.8	8.0	9.5	11.6	0.6	1.8	0.0	0.9	4	42
KILMARNOCK, .	26.2	1.3	5.9	12.1	12.8	0.0	0.7	0.7	1.0	4	51
AYR, . . .	18.6	14.0	4.6	9.1	6.2	1.0	0.0	0.0	1.0	4	54
FALKIRK, . . .	20.5	6.9	11.3	6.4	6.0	0.4	0.7	0.7	0.4	2	27
PERTH, . . .	22.8	9.4	8.6	18.2	13.6	0.7	0.0	0.0	1.4	5	83
TOTAL . . . (SIXTEEN TOWNS)	24.1	6.5	7.5	10.7	10.5	0.6	1.1	0.8	1.1	286	.54

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR AUGUST 1922, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

Month. (1)	Birth-Rate. (2)	Illegitimate Birth- rate per 100 Births. (3)	Marriage-Rate. (4)	Death-Rate. (5)	DEATHS FROM									* Infantile Mortality Rate. (13)	Mean Temperature. (Seven Towns only.) (14)
					Enteric Fever. (6)	Smallpox. (7)	Measles. (8)	Scarlet Fever. (9)	Whooping- Cough. (10)	Diphtheria and Group. (11)	Diarrhoea (Under 2 Years). (12)				
AUG. 1922	24.1	6.5	7.5	10.5	0	0	26	4	28	18	35	54	54°.8		
AUG. 1921	26.2	7.7	8.7	12.8	2	0	6	14	37	13	213	105	56°.1		
AUG. 1920	27.5	9.0	10.6	11.9	3	13	6	11	26	18	85	69	55°.5		
AUG. 1919	21.0	9.6	9.9	10.3	5	0	23	8	21	26	104	88	57°.6		
AUG. 1918	19.8	9.8	8.1	10.7	8	0	10	5	44	23	129	89	58°.5		
AUG. 1917	19.3	8.9	7.2	11.5	0	0	38	5	57	13	161	93	58°.8		
AUG. 1916	23.6	7.8	8.0	12.5	5	0	29	19	25	17	158	95	58°.9		
AUG. 1915	22.6	6.8	9.5	13.3	8	0	111	53	31	27	129	94	58°.1		
AUG. 1914	25.6	7.3	7.8	13.8	19	0	19	26	62	32	201	114	58°.6		
AUG. 1913	24.2	6.8	6.2	13.4	4	0	65	17	42	31	215	112	58°.1		
AUG. 1912	25.0	7.3	6.3	12.9	3	0	30	13	62	26	116	90	53°.6		

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—August 1922.

CAUSES OF DEATH.	Age.														
	Total.	Males.	Females.	-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85-
Enteric Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles	-	-	-	-	26	13	13	4	21	1	-	-	-	-	-
Scarlet Fever	-	-	-	-	4	3	1	1	2	-	1	-	-	-	-
Whooping-cough	-	-	-	-	28	14	14	12	15	1	-	-	-	-	-
Diphtheria	-	-	-	-	18	9	9	1	11	6	-	-	-	-	-
Influenza	-	-	-	-	7	3	4	1	-	-	1	1	1	-	1
Encephalitis Lethargica	-	-	-	-	4	2	2	1	-	-	2	1	-	-	2
Cerebro-spinal Meningitis	-	-	-	-	8	4	4	2	3	1	1	-	-	-	-
Other Epidemic Diseases	-	-	-	-	6	5	1	-	1	1	-	1	1	-	-
Tuberculosis of Respiratory System	-	-	-	-	154	72	82	2	-	2	34	32	32	21	21
Tuberculous Meningitis	-	-	-	-	29	13	16	3	15	3	3	2	2	-	-
Tuberculosis of Intestines and Peritoneum	-	-	-	-	23	6	17	1	11	5	1	1	1	1	1
Other Tuberculous Disease	-	-	-	-	22	9	13	1	3	1	2	7	2	3	2
Malignant Tumours	-	-	-	-	293	113	180	-	-	1	1	5	7	23	92
Rheumatic Fever	-	-	-	-	1	1	-	-	-	1	-	1	1	1	6
Meningitis (not Cer.-spin. or Tuberc.)	-	-	-	-	17	11	6	6	6	1	1	-	-	-	-
Apoplexy	-	-	-	-	190	92	98	1	1	1	-	1	3	25	43
Heart Disease	-	-	-	-	222	117	105	-	-	4	7	11	15	31	49
Diseases of Arteries	-	-	-	-	33	18	15	-	1	1	-	-	2	6	11
Bronchitis	-	-	-	-	85	50	35	9	5	-	2	-	2	14	24
Pneumonia (all forms)	-	-	-	-	118	76	42	18	27	2	4	3	5	8	16
Other Diseases of Respiratory System	-	-	-	-	24	13	11	2	3	-	-	-	5	7	1
Diarrhoea and Enteritis (under 2 years)	-	-	-	-	35	18	17	28	7	-	-	-	-	-	-
Appendicitis	-	-	-	-	11	4	7	-	-	5	2	-	2	1	-
All Diseases of Liver (not Malignant)	-	-	-	-	23	11	12	-	-	-	-	1	4	10	6
Nephritis, Acute and Chronic	-	-	-	-	63	28	35	1	-	1	-	5	9	13	14
Puerperal Sepsis	-	-	-	-	8	-	8	-	-	-	2	5	1	-	-
Other Dis. & Accidents of Preg. & Part.	-	-	-	-	19	-	19	-	-	-	2	13	-	-	-
Diseases of Early Infancy and Malform.	-	-	-	-	154	76	78	152	1	1	-	-	-	-	-
Suicide	-	-	-	-	11	10	1	-	-	-	-	2	1	5	2
Other Violent Deaths	-	-	-	-	73	52	21	4	4	8	2	11	2	15	7
Other Defined Diseases	-	-	-	-	371	186	185	29	17	9	3	11	15	37	53
Causes Ill-defined or Unknown	-	-	-	-	37	23	14	7	2	-	1	1	-	3	10
	2117	1052	1065	286	156	53	33	91	106	158	256	339	350	233	56

Causes of Death.

DEATHS IN EACH TOWN (corrected for Transfers)—August 1922.

CAUSES OF DEATH.

	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	26	5	6	...	2	...	3	2	1
Scarlet Fever	4	3	...	...	...	3	...	1	2
Whooping-cough	28	13	7	...	...	...	...	2	...
Diphtheria	18	13	2	...	...	...	...	...	2
Influenza	7	2	1	...	...	...	...	1	1
Encephalitis Lethargica	4	3	1	...	...	...	...	...	...
Cerebro-spinal Meningitis	8	5	3	...	...	...	...	...	...
Other Epidemic Diseases	6	1	...	...	1	...	...	...	...
Tuberculosis of Respiratory System	154	86	29	16	7	1	5	1	...
Tuberculous Meningitis	29	14	8	1	1	...	...	...	1
Tuber. of Intestines and Peritoneum	23	9	2	4	...	...	2	2	...
Other Tuberculous Disease	22	7	1	2	3	...	3	4	...
Malignant Tumours	293	123	67	19	21	9	9	9	2
Rheumatic Fever	1	1	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	17	7	4	1	...	...	1	1	...
Apoplexy	190	82	37	15	11	5	7	7	1
Heart Disease	222	96	52	12	16	5	5	2	4
Diseases of Arteries	33	12	8	3	6	...	...	1	...
Bronchitis	85	36	18	9	4	2	2	5	...
Pneumonia (all forms)	118	60	14	10	5	3	7	2	1
Other Diseases of Respiratory System	24	9	3	2	1	1	2	2	...
Diarrhoea and Enteritis (under 2 years)	35	21	1	2	2	2	2	1	...
Appendicitis	11	5	3	...	1	1	...	...	...
All Diseases of Liver (not Malignant)	23	8	5	5	2	2	...	1	...
Nephritis, Acute and Chronic	63	24	16	1	6	...	...	3	...
Puerperal Sepsis	8	5	...	1	...	2	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	19	10	2	1	2	1	1	...	...
Dis. of Early Infancy and Malformations	154	74	17	8	17	5	9	4	2
Suicide	11	1	8	1	...	...	...	1	...
Other Violent Deaths	73	30	11	10	5	3	2	1	...
Other Defined Diseases	371	148	79	33	21	15	11	6	6
Causes Ill-defined or Unknown	37	18	5	5	1	4	...	2	...
All Causes	2117	931	410	161	135	64	71	61	20

AGE AT DEATH.

	Under 1	1- 4	5- 9	10-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over
	286	138	28	21	27	9	15	8	2	9	7	4
	156	64	28	4	7	3	14	9	2	1	11	4
	53	28	12	2	1	1	...	...	...	...	6	3
	33	18	5	2	...	...	2	4	4	2	1	...
	91	44	17	10	6	2	6	4	4	2	2	...
	106	62	14	5	5	5	3	2	4	2	2	1
	158	69	30	15	9	6	6	2	5	2	2	5
	256	113	55	27	9	8	8	7	7	7	6	3
	339	163	66	23	21	13	7	5	7	9	6	1
	350	134	80	30	23	10	9	5	5	9	11	4
	233	84	57	20	22	7	5	4	2	5	6	1
	56	14	18	2	5	2	1	...	...	...	4	1
All Ages	2117	931	410	161	135	64	71	61	20	...	...	...

DEATHS IN EACH TOWN (corrected for Transfers)—August 1922—continued.

CAUSES OF DEATH.										
			Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	4	1	...	1	1	1
Measles	...	...	...	...	2	1	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...
Whooping-cough	...	...	...	...	...	...	...	...	...	...
Diphtheria	...	...	...	...	...	...	...	1	...	...
Influenza...	...	...	...	...	...	...	1	...	...	1
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	2	...	2	1	1	2	...	2	...
Tuberculosis of Respiratory System	...	3	...	2	...	...	...	...	2	...
Tuberculous Meningitis	...	1	...	...	3	3	...	...	...	...
Tuber. of Intestines and Peritoneum	...	...	...	1	3	...	...	...	...	...
Other Tuberculous Disease	...	1	1	...	...	...	...	...	...	...
Malignant Tumours	...	7	5	2	2	5	4	2	7	...
Rheumatic Fever	...	...	...	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	...	...	1	3	2	...	...	...	...
Apoplexy	...	4	4	2	3	6	1	2	3	...
Heart Disease	...	2	4	5	7	4	2	...	...	6
Diseases of Arteries	...	1	...	...	...	...	...	...	...	2
Bronchitis	...	2	2	1	1	1	1	1	...	1
Pneumonia (all forms)	...	6	...	2	2	2	2	...	...	2
Other Diseases of Respiratory System	...	2	2	...	...	...	...	...	1	1
Diarrhoea and Enteritis (under 2 years)	...	2	...	...	...	...	...	1	...	1
Appendicitis	...	...	...	...	...	...	...	...	...	1
All Diseases of Liver (not Malignant)	...	...	...	...	...	...	...	...	...	...
Nephritis, Acute and Chronic...	...	3	...	4	1	3	...	...	...	2
Puerperal Sepsis	...	...	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	...	1	1	...	...	...	...
Dis. of Early Infancy and Malformations	...	3	4	2	2	3	1	2	1	1
Suicide	...	...	...	...	...	...	...	...	...	...
Other Violent Deaths	...	2	2	...	3	1	2	...	...	1
Other Defined Diseases	...	6	6	9	8	7	3	6	7	...
Causes Ill-defined or Unknown	...	...	...	...	...	...	...	1	1	1
All Causes	...	45	32	35	39	39	19	17	38	
AGE AT DEATH.										
Under 1	...	...	9	7	3	4	4	2	2	5
1- 4	...	...	2	3	5	9	2	2	1	1
5- 9	...	...	2	1	1	2	...	...	...	1
10-14	...	...	2	...	1	...	1	...	...	...
15-24	...	...	2	...	1	1	1	1	...	2
25-34	...	...	1	1	...	4	1	...	1	...
35-44	...	...	5	4	4	1	2	1	...	3
45-54	...	...	5	2	3	4	6	1	1	7
55-64	...	...	4	5	6	1	7	2	8	3
65-74	...	...	11	3	6	5	10	3	2	9
75-84	...	...	2	4	5	7	3	3	2	5
85 and over	...	...	...	2	...	1	2	2	...	2
All Ages	...	45	32	35	39	39	19	17	38	

Abstract of Meteorological Observations.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of AUGUST 1922.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.																		
	Mean at Sea-Level and 32°.		Mean of A and B (Mean Temperature).		Mean at 9 A.M. and 9 P.M.		Number of Days.		Number of Observations at 9 A.M. and 9 P.M.																		
	Mean at Station and 32°.		Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Difference from Average, 1881-1915.		Calm or Variable.																		
	feet.	inch.	Dry Bulb.	Vapour Pressure.	Depression of Wet Bulb.	Humidity.	Total Fall.	Difference from Average, 1881-1915.	N	NE	E	SE	S	SW	W	NW											
GLASGOW.	..	..	•	•	•	•	..	..	..	..	..	..	..	..	..	
EDINBURGH, Professor R. A. SIMPSON, F.R.S., Royal Observatory.	29.355	29.329	59.5	48.4	54.0	-2.7	64	29th	44	24, 26	53.3	3.1	323	79	13	1.46	-1.62	2	5	5	9	23	3	8			
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	29.647	29.525	61.2	47.8	54.5	-2.8	63	19th	43	13, 14, 25	53.4	1.6	364	90	17	2.96	-0.42	0	5	0	16	0	30	0	11	0	
ABERDEEN,* The Meteorological Office.	29.708	29.808	60.6	48.2	54.4	-1.9	73	19th	43	12th	54.0	2.2	355	85	18	2.35	-0.39	3	3	3	3	17	7	4	12	10	
PAISLEY, The Coats Observatory.	107	29.742	29.859	62.1	49.4	55.8	-2.7	70	6, 28	43	4th	54.9	2.8	353	82	20	2.67	-1.34	0	5	5	1	5	8	12	6	20
LEITH.†	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GREENOCK,‡ JAMES MACALISTER, M.Inst. C.E., Greenock Waterworks.	29.559	29.854	59.3	49.7	54.5	-2.7	67	6th	46	4, 14, 26	54.4	3.1	338	80	23	3.44	-2.00	1	11	4	3	1	14	25	3	0	
PERTH,† JOHN RITCHIE, Junr., The Museum.	22	29.807	29.331	63.1	48.1	55.6	-1.7	68	19, 21	38	12th	13	1.47	-1.90	2	4	1	7	9	11	16	11	1
Means	176	29.643	29.834	61.0	48.6	54.8	-2.4	..	..	..	54.0	2.6	347	83	17	2.37	-1.25	1	6	3	5	6	13	13	8	7

North Latitude.—GLASGOW, 55° 51'; Edinburgh, 56° 28'; Dundee, 55° 55'; Aberdeen, 57° 9'; Paisley 55° 58'; Leith, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.
 West Longitude.—GLASGOW, 4° 13'; Edinburgh, 2° 57'; Dundee, 3° 11'; Aberdeen, 4° 27'; Paisley, 4° 46'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

* At King's College at 7 A.M. and 6 P.M.
 † At 9 A.M. and 6 P.M.
 ‡ At 9 A.M. and 6 P.M.

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MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES
IN SIXTEEN OF THE PRINCIPAL TOWNS OF
SCOTLAND.

SEPTEMBER 1922.

Published by Authority of the Registrar-General.

REPORT.

During the month of September 1922 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4619 living children, of whom 2332 were males, and 2287 were females. The male children of the month numbered 68 fewer, and the female children 175 fewer, than those of the previous month. The total children registered during the month numbered 243 less than those of the previous month, and 420 less than the mean of those of the three preceding months.

The monthly birth-rate in these burghs taken collectively was 23·7 per thousand. This rate is 0·4 less than in the previous month, 1·6 less than the mean of those of the three preceding months, and 3·5 less than that of September of last year. In the individual towns the monthly birth-rate ranged from 32·1 in Ayr, 28·9 in Hamilton, 25·9 in Greenock, and 25·6 in Falkirk, to 17·7 in Perth, 19·0 in Kirkcaldy, 19·9 in Coatbridge, and 20·6 in Paisley. In Glasgow this rate was 25·3, in Motherwell and Wishaw 24·9, in Dundee 23·3, in Kilmarnock 23·0, in Dunfermline 22·3, in Aberdeen 21·6, in Edinburgh 21·3 and in Clydebank 21·0.

Of the 4619 children whose births were registered during the month 4263, or 92·3 per cent., were legitimate, while 356, or 7·7 per cent., were illegitimate. The legitimate children of the month number 285 less than those of the previous month, and 437 less than the mean of the numbers of the three preceding months. The illegitimate children of the month number 42 more than in the previous month, and 17 more than the mean of the numbers of the three preceding months. The illegitimate rate of the month is 1·2 more than that of the previous month, 1·0 more than the mean of the rates of the three preceding months, and 0·6 more than that of September of last year. In the individual towns this rate varied from 11·7 per cent in Aberdeen, 11·3 in Kirkcaldy, and 10·5 in Edinburgh, to 1·5 in Kilmarnock, 2·1 in Perth, 4·0 in Dunfermline, and 4·2 in Paisley.

The marriages registered during the month numbered 1849. This number is 346 more than that of the previous month, but is 255 less than the mean of the numbers of the three preceding months. The monthly marriage-rate was 9·5 per thousand. It is 2·0 more than that of the previous month, but 1·1 less than the mean of those of the three preceding months and 1·0 less than that of September of

last year. In the individual towns the monthly marriage-rate ranged from 12·9 in Perth, 10·8 in Edinburgh, 10·4 in Aberdeen, and 10·3 in Glasgow, to 4·9 in Clydebank, 5·2 in Hamilton, 5·5 in Coatbridge, and 5·6 in Paisley.

Deaths registered in these towns during the month numbered 2197, 1113 being of males and 1084 of females. Compared with the numbers registered in the previous month, deaths of males are 39 more and those of females 11 more. These 2197 deaths include those of 209 persons with usual residence outwith the town of registration, but exclude those of 144 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 65, falls to be deducted to get the corrected number for the month, which is thus found to be 2132. This number is 15 more than that of the previous month, but 175 less than the mean of those of the three preceding months.

The monthly death-rate, based on the corrected number, is 10·9 per thousand. It is 0·4 more than that of the previous month, but is 0·7 less than the mean of the numbers of the three preceding months, and 1·3 less than that of September of last year. In the individual towns the monthly death-rate varied from 16·2 in Perth, 12·5 in Greenock, 11·6 in Glasgow, and 11·3 in Aberdeen, to 6·9 in Clydebank, 7·4 in Dunfermline, 7·7 in Kirkcaldy, and 8·4 in Motherwell and Wishaw. In Hamilton this rate was 11·1, in Edinburgh 10·7, in Dundee 10·7, in Paisley 10·2, in Ayr 10·1, in Coatbridge 10·0, in Kilmarnock 9·5, and in Falkirk 9·1.

Deaths of children of less than one year old numbered 334. This number is 48 more than that of the previous month, but is 3 less than the mean of those of the three preceding months. The infantile mortality rate of the month is 65 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is 11 more than that of the previous month, and 1 more than the mean of those of the three preceding months, but is 31 less than that of September of last year. In the individual towns this rate varied from 109 in Hamilton, 105 in Perth, and 95 in Greenock, to 26 in Kilmarnock, 29 in Dunfermline, and 30 in Clydebank. In Ayr it was 81, in Coatbridge 70, in Aberdeen 68, in Edinburgh 67, in Glasgow 66, in Dundee 61, in Falkirk 56, in Paisley 56, in Kirkcaldy 53, and in Motherwell and Wishaw 52.

Deaths from the principal epidemic diseases numbered 114, and equalled a death-rate of 0·6 per thousand. These deaths numbered 3 more than in the previous month, but 61 less than the mean of the numbers of the three preceding months. This rate is the same as in the previous month, but is 0·3 less than the mean of those of the three preceding months, and 0·5 less than that of September of last year. These deaths include 2 from enteric fever, 15 from measles, 9 from scarlet fever, 32 from whooping-cough, 13 from diphtheria, and 43 from the diarrhoeas of childhood. Compared with the numbers of the previous month, deaths from measles are 11 fewer, and those from diphtheria 5 fewer, but those from the diarrhoeas of childhood are 8 more, from whooping-cough 4 more, and from scarlet fever 5 more. In the previous month there were no deaths from enteric fever.

Deaths from influenza numbered 8. In August they numbered 7, and in July 5.

Deaths from all forms of respiratory disease, other than phthisis, and exclusive of those associated with influenza, numbered 275. They are 48 more than in the previous month, and 6 more than the mean of the numbers of the three preceding months. Of these 275 deaths, 103 were attributed to bronchitis, and 146 to pneumonia.

Deaths from all forms of tuberculosis numbered 223, of which 145 were attributed to tuberculosis of the respiratory system, the former being 5 fewer and the latter 9 fewer than in the previous month.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

SEPTEMBER 1922.

Mean barometric pressure, 29.923 in.; less than the average of 1881-1915 by 0.025 in.

Mean temperature, 52.1° ; less by 1.5° .

Mean daily range of temperature, 12.8° ; less by 0.8° .

Rain, number of days, 19; greater by 4 days.

Rain, depth in inches, 2.35; less by 0.34 in.

Wind, direction of; a 3 days' excess of winds from a northerly quarter.

Hence the month was characterised by a slightly low mean pressure; a low mean temperature, with a rather low mean daily range; a slightly low mean rainfall; and an excess of northerly winds.

From 3rd to 10th pressure distribution was of an anti-cyclonic type; between 11th and 13th a large depression moved from Iceland on a south-easterly track directly over the British Isles; and thereafter conditions were unsettled. Highest pressure occurred everywhere on 8th, and lowest very generally on the morning of 13th. At Edinburgh, at sea-level, the extremes were 30.57 in. and 29.22 in.

During the first week or so temperature was moderately high (72° at Kilmarnock on 4th and at Paisley on 8th); but on 8th a northerly current of air spread over the country and for the next two weeks the weather was decidedly cold (24° at West Linton on 10th, and 23° at Braemar on 22nd) with frequent ground frosts. Thereafter temperature was again moderately high on several days. The mean temperature was in nearly all districts appreciably below the normal, though considerably above that of the very cold September of 1918.

The period from 3rd to 10th was all but rainless in most districts; but from 12th onwards rain was frequent though heavy falls were rare. The most general fall was on 16th, when amounts were considerable in the west (1.66 in. at Inveraray). During the last five days south-easterly winds were accompanied by persistent rains in the north-east and south-east, and some places in north-east received two-thirds of the whole month's rainfall during this period. On 26th Crathes had as much as 1.51 in. In the areas most affected by these rains aggregates were above the normal; but over the greater part of Scotland there was a deficiency and some north-western districts had little more than half the normal.

From 11th onwards winds were frequently strong, with gales at a few exposed places on 16th and 19th, and in the extreme north-east on 26th and 27th.

Thunder occurred at Kelso on 13th and 21st, and thunderstorms locally in the west on 19th.

The month was a cloudy one, though Stornoway received almost its normal allowance of sunshine. Over Scotland generally the frequency of rain, coupled with the absence of sunshine and a high humidity on many days, rendered the period after 12th very unfavourable for harvesting operations.

Snow fell on the Cairngorm mountains on 15th, and on 18th snow lay on Ben Nevis down to the 2000-foot level.

Aurora was observed here and there on 14th, 15th and 17th, and in Orkney on night of 21st.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological tables on p. 72.

Abstract.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, SEPTEMBER 1922.

TOWNS.	POPULATION:		BIRTHS.						DEATHS.					
	Census 1921.	Estimated to middle of 1922.	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.	MARRIAGES	Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, .	1,034,069	1,037,800	1101	1053	2154	2006	148	878	548	472	1020	89	59	990
EDINBURGH, .	420,281	420,500	361	375	736	659	77	374	188	210	398	40	11	369
DUNDEE, .	168,217	167,600	174	147	321	293	28	122	65	88	153	8	2	147
ABERDEEN, .	158,939	158,700	131	151	282	249	33	135	70	85	155	20	12	147
PAISLEY, .	84,837	85,000	66	78	144	138	6	39	34	38	72	4	3	71
GREENOCK, .	81,120	81,800	86	88	174	164	10	52	44	43	87	6	3	84
MOTHERWELL AND WISHAW, .	68,869	69,300	73	69	142	129	13	35	20	19	39	1	10	48
CLYDEBANK, .	46,515	47,500	44	38	82	76	6	19	12	7	19	2	10	27
COATBRIDGE, .	43,909	44,000	38	34	72	68	4	20	18	16	34	1	3	36
DUNFERMLINE, .	39,886	41,000	30	45	75	72	3	24	17	17	34	11	2	25
KIRKCALDY, .	39,591	39,600	33	29	62	55	7	27	10	10	20	0	5	25
HAMILTON, .	39,420	39,500	48	46	94	89	5	17	14	14	28	2	10	36
KILMARNOCK, .	35,756	35,900	36	32	68	67	1	18	15	16	31	7	4	28
AYR, . . .	35,741	36,100	54	41	95	87	8	28	17	18	35	6	1	30
FALKIRK, . . .	33,312	33,300	34	36	70	64	6	26	13	13	26	5	4	25
PERTH, . . .	33,208	33,000	23	26	48	47	1	35	28	18	46	7	5	44
TOTAL . . . (SIXTEEN TOWNS)	2,363,700	2,370,600	2332	2287	4619	4263	356	1849	1113	1084	2197	209	144	2132

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, SEPTEMBER 1922.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PFR 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncorrected.	Cor. rected.						
GLASGOW, .	25.3	6.9	10.3	12.0	11.6	0.7	1.3	0.9	1.7	158	66
EDINBURGH, .	21.3	10.5	10.8	11.5	10.7	0.4	1.0	0.7	1.3	51	67
DUNDEE, .	23.3	8.7	8.9	11.1	10.7	0.4	1.4	1.0	1.2	22	61
ABERDEEN, .	21.6	11.7	10.4	11.9	11.3	0.5	0.8	0.5	1.1	23	68
PAISLEY, .	20.6	4.2	5.6	10.3	10.2	0.9	1.3	0.9	0.9	10	56
GREENOCK, .	25.9	6.7	7.7	12.9	12.5	1.2	1.8	1.0	0.9	18	95
MOTHERWELL AND WISHAW, .	24.9	9.2	6.1	6.8	8.4	0.4	0.5	0.4	1.6	8	52
CLYDEBANK, .	21.0	7.3	4.9	4.9	6.9	0.8	0.8	0.3	1.0	3	30
COATBRIDGE, .	19.9	5.6	5.5	9.4	10.0	0.3	1.4	0.6	3.0	7	70
DUNFERMLINE, .	22.3	4.0	7.1	10.1	7.4	0.3	0.9	0.0	0.0	2	29
KIRKCALDY, .	19.0	11.3	8.3	6.1	7.7	0.0	0.0	0.0	0.6	4	53
HAMILTON, .	28.9	5.3	5.2	8.6	11.1	0.9	1.2	0.6	1.2	10	109
KILMARNOCK, .	23.0	1.5	6.1	10.5	9.5	0.3	1.0	0.3	0.7	2	26
AYR, . . .	32.1	8.4	9.4	11.8	10.1	0.3	0.3	0.3	0.7	6	81
FALKIRK, . . .	25.6	8.6	9.5	9.5	9.1	0.4	1.1	0.4	1.1	4	56
PERTH, . . .	17.7	2.1	12.9	17.0	16.2	0.4	0.7	0.4	1.1	6	105
TOTAL . . . (SIXTEEN TOWNS)	23.7	7.7	9.5	11.3	10.9	0.6	1.1	0.7	1.4	334	65

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR SEPTEMBER 1922, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM										*Infantile Mortality Rate.	Mean Temperature (Seven Towns only.)
					(6)	Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).	(13)	(14)		
(1)	(2)	(3)	(4)	(5)												
SEPT. 1922,	23.7	7.7	9.5	10.9	2	0	15	9	32	13	43	65	52°.1			
SEPT. 1921,	27.2	7.1	10.5	12.2	5	0	3	4	23	24	151	96	55°.3			
SEPT. 1920,	26.6	7.5	12.8	12.1	4	12	5	10	10	24	96	73	53°.5			
SEPT. 1919,	24.0	8.4	12.9	11.6	5	0	18	11	21	24	134	113	53°.1			
SEPT. 1918,	17.8	9.0	10.3	11.9	8	0	11	8	32	39	102	92	49°.6			
SEPT. 1917,	18.2	9.7	8.2	11.5	1	0	13	7	61	22	108	95	55°.1			
SEPT. 1916,	22.3	7.2	7.3	13.8	10	0	25	18	21	30	256	125	53°.8			
SEPT. 1915,	22.6	7.0	9.7	13.9	11	0	50	52	17	43	193	120	54°.3			
SEPT. 1914,	25.4	7.1	10.1	16.3	13	0	8	41	62	28	383	161	54°.1			
SEPT. 1913,	25.0	6.6	9.6	16.1	12	0	51	22	27	36	321	153	54°.4			
SEPT. 1912,	24.6	7.3	8.3	12.7	5	3	4	13	32	33	79	89	51°.3			

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—September 1922.

CAUSES OF DEATH.	Age.														
	Total.	Males.	Females.	-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85-
Enteric Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping-cough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Influenza	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis Lethargica	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cerebro-spinal Meningitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Epidemic Diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis of Respiratory System	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculous Meningitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis of Intestines and Peritoneum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Tuberculous Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malignant Tumours	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis (not Cer.-spin. or Tuberc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apoplexy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heart Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of Arteries	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (all forms)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Respiratory System	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhoea and Enteritis (under 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All Diseases of Liver (not Malignant)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis, Acute and Chronic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerperal Sepsis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Dis. & Accidents of Preg. & Part.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of Early Infancy and Malform.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Suicide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Violent Deaths	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Causes Ill-defined or Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2132	1077	1055	334	145	42	37	92	154	140	230	321	351	235	51

Causes of Death.

DEATHS IN EACH TOWN (corrected for Transfers)—September 1922.

CAUSES OF DEATH.

	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	2	1	...	...	...	...	...	...	...
Typhus Fever	2	2	...	...	...	...	...	...	...
Small-pox	15	1	8	...	3	1	2	1	...
Measles	9	5	1	...	1	3	1	...	3
Scarlet Fever	...	...	...	...	...	...	...	...	...
Whooping-cough	32	13	2	3	1	3	3	...	...
Diphtheria	13	9	1	1	1	...	...	1	1
Influenza	8	3	2	...	...	...	1	1	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	5	4	...	...	...	...	...	...	1
Other Epidemic Diseases	10	6	2	...	...	...	1	...	...
Tuberculosis of Respiratory System	145	77	24	14	6	6	7	2	1
Tuberculous Meningitis	27	14	2	2	1	...	1	...	2
Tuber. of Intestines and Peritoneum	26	11	4	3	...	1	1	1	...
Other Tuberculous Disease	25	8	6	...	3	2	3	...	...
Malignant Tumours	232	100	49	25	20	6	5	3	1
Rheumatic Fever	2	...	1	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	25	8	5	3	1	1	1	...	...
Apoplexy	198	89	29	10	18	4	8	6	3
Heart Disease	206	77	54	9	19	10	9	5	4
Diseases of Arteries	41	15	6	5	4	1	...	...	1
Bronchitis	103	53	17	7	6	3	...	6	1
Pneumonia (all forms)	146	81	25	8	6	2	5	3	2
Other Diseases of Respiratory System	26	12	4	2	2	1	1	...	1
Diarrhoea and Enteritis (under 2 years)	43	30	3	2	1	2	2	...	...
Appendicitis	18	10	5	1	1	...	1	...	...
All Diseases of Liver (not Malignant)	14	4	3	1	...	...	1	1	...
Nephritis, Acute and Chronic	68	32	11	8	5	2	1	1	...
Puerperal Sepsis	10	8	...	...	...	...	1	...	...
Other Diseases and Accidents of Pregnancy and Parturition	19	13	...	...	3	...	...	...	...
Dis. of Early Infancy and Malformations	171	71	28	10	16	5	10	5	1
Suicide	4	2	...	...	...	1	...	...	...
Other Violent Deaths	88	45	10	5	10	1	3	2	2
Other Defined Diseases	367	170	63	25	18	17	16	9	4
Causes Ill-defined or Unknown	32	16	4	3	2	2	...	1	...
All Causes	2132	990	369	147	147	71	84	48	27
AGE AT DEATH.									
Under 1	334	158	51	22	23	10	18	8	3
1- 4	145	66	18	7	13	4	11	1	5
5- 9	42	17	7	2	4	...	7	2	1
10-14	37	15	5	3	2	3	4	...	1
15-24	92	47	10	9	2	4	5	2	...
25-34	154	84	22	6	14	5	5	2	3
35-44	140	66	26	12	7	2	5	5	3
45-54	230	108	41	12	14	8	10	6	1
55-64	321	174	48	21	16	11	7	5	3
65-74	351	146	84	27	27	14	8	10	5
75-84	235	89	43	20	21	9	4	6	2
85 and over	51	20	14	6	4	1	...	1	...
All Ages	2132	990	369	147	147	71	84	48	27

DEATHS IN EACH TOWN (corrected for Transfers)—September 1922—*continued.*

CAUSES OF DEATH.												
					Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...	...	...	1
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	1	...
Whooping-cough	...	...	...	...	1	1	...	2	...	...	...	...
Diphtheria	...	...	...	...	...	...	...	...	...	...	...	...
Influenza	...	...	...	...	...	...	...	...	...	...	...	1
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	1	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System	...	2	...	...	...	...	2	1	1	1	1	1
Tuberculous Meningitis	...	2	...	...	...	...	1	1	...	...	1	1
Tuber. of Intestines and Peritoneum	...	1	2	...	...	...	1	1	1	...	...	...
Other Tuberculous Disease	...	...	...	1	...	...	...	...	1	1	1	...
Malignant Tumours	...	3	4	6	3	3	1	1	1	1	2	3
Rheumatic Fever	...	1	...	...	...	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	1	...	...	...	2	3	3	2	2	1	...	...
Apoplexy	...	3	6	5	3	3	3	3	4	2	5	...
Heart Disease	...	2	4	2	2	2	3	3	1	1	1	4
Diseases of Arteries	...	...	1	1	...	...	4	...	...	1	1	2
Bronchitis	...	5	...	...	1	1	...	...	1	1	1	2
Pneumonia (all forms)	...	6	...	1	3	1	1	1	1	1	2	...
Other Diseases of Respiratory System	...	...	...	1	...	...	1	1	1	...	...	1
Diarrhoea and Enteritis (under 2 years)	...	...	...	...	...	1	1	1	1	...	...	...
Appendicitis	...	...	...	...	...	...	...	...	...	...	...	...
All Diseases of Liver (not Malignant)	...	...	1	2	1	1	...	...	...	...	...	...
Nephritis, Acute and Chronic	...	1	1	...	2	1	1	1	1	1	1	2
Puerperal Sepsis	...	1	...	...	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	...	...	...	...	1	1	...	...	1
Dis. of Early Infancy and Malformations	4	1	3	6	1	1	5	1	5	1	1	4
Suicide	...	...	...	...	...	...	...	...	...	...	...	...
Other Violent Deaths	...	1	1	1	1	1	2	2	...	2	2	2
Other Defined Diseases	...	1	2	3	5	5	5	9	7	7	13	...
Causes Ill-defined or Unknown	...	...	...	...	...	1	2	2	...	...	1	...
All Causes	...	36	25	25	36	28	30	25	44			
AGE AT DEATH.												
Under 1	...	...	...	...	7	2	4	10	2	6	4	6
1-4	...	...	...	...	5	2	...	8	1	2	2	...
5-9	...	...	...	...	...	1	...	...	...	...	1	...
10-14	...	...	...	...	1	...	...	...	1	2	...	...
15-24	...	...	...	...	2	1	...	3	3	1	...	3
25-34	...	...	...	...	3	1	1	1	...	1	3	3
35-44	...	...	...	...	1	...	1	1	3	3	2	3
45-54	...	...	...	...	5	2	3	5	3	4	2	6
55-64	...	...	...	...	6	5	7	2	5	3	4	4
65-74	...	...	...	...	4	6	2	3	3	2	2	8
75-84	...	...	...	...	2	4	7	3	6	4	4	11
85 and over	...	...	...	...	...	1	...	...	1	2	1	...
All Ages	...	36	25	25	36	28	30	25	44			

Abstract of Meteorological Observations.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of SEPTEMBER 1922.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.		Calm or Variable.	
	Mean at Sea-Level and 32°.		Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Days.		Number of Observations at 9 A.M. and 9 P.M.			
	Mean of A and B (Mean Temperature).		Day of Month.		Depression of Wet Bulb.		Total Fall.		WIND DIRECTIONS.			
	Mean of A and B (Mean Temperature).		Day of Month.		Dry Bulb.	Vapour Pressure.	Number of Days.		Number of Observations at 9 A.M. and 9 P.M.			
	Mean of A and B (Mean Temperature).		Maximum.	Minimum.	Depression of Wet Bulb.	Humidity.	Total Fall.		WIND DIRECTIONS.			
	Maximum (A).	Minimum (B.)	Maximum.	Minimum.	Dry Bulb.	Vapour Pressure.	Number of Days.		Number of Observations at 9 A.M. and 9 P.M.			
GLASGOW.	feet.	inch.	°	°	°	°	°	°	°	°	°	
EDINBURGH, Professor R. A. Sampson, F.R.S., Royal Observatory.	..	..	..	..	..	..	..	..	..	..	..
DUNDEE, Alex. Macrae, Curator of Cemeteries.	441	29.440	29.920	57.0	46.2	51.6	1.7	6.6	5.6	18.72	-0.16	
ABERDEEN*, The Meteorological Office.	164	29.738	29.918	57.7	44.8	51.3	-2.2	6.6	11.6	85	4	
PAISLEY, The Coats Observatory.	90	29.811	29.911	57.4	46.2	51.8	-1.2	6.7	11.6	19	4.4	
LEITH.†	107	29.821	29.939	60.6	46.1	53.4	-1.5	7.2	8.6	19	5	
GREENOCK,† James Macalister, M.Inst. C.E., Greenock Waterworks.	233	29.684	29.939	58.1	47.1	52.6	-1.2	6.5	2.5	18.33	0.25	
PERTH,† John Ritchie, Junr., The Museum.	22	29.889	29.913	60.1	43.6	51.9	-1.4	6.8	2.17	22.6	0	
Means	176	29.731	29.923	58.5	45.7	52.1	-1.5	..	..	19	-0.34
North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 58'; Leith, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.												
West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 57'; Paisley, 2° 7'; Perth, 3° 8'; Greenock, 4° 46'; Leith, 4° 27'; Mean, 3° 32'.												

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MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES IN SIXTEEN OF THE PRINCIPAL TOWNS OF SCOTLAND.

OCTOBER 1922.

Published by Authority of the Registrar-General.

REPORT.

During the month of October 1922 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4765 living children, of whom 2430 were males, and 2335 were females. The male children of the month numbered 98 more, and the female children 48 more, than those of the previous month. The total children registered during the month numbered 146 more than those of the previous month, but 85 less than the mean of those of the three preceding months.

The monthly birth-rate in these burghs taken collectively was 23·7 per thousand. This rate is the same as in the previous month, but is 0·6 less than the mean of those of the three preceding months, and 3·1 less than that of October of last year. In the individual towns the monthly birth-rate ranged from 26·5 in Coatbridge, 25·9 in Greenock, 25·4 in Aberdeen, and 25·0 in Glasgow, to 17·1 in Perth, 18·1 in Dunfermline, 19·9 in Kirkcaldy, and 20·6 in Edinburgh. In Dundee this rate was 24·7, in Hamilton 24·7, in Ayr 24·2, in Falkirk 23·3, in Clydebank 23·1, in Motherwell and Wishaw 22·3, in Kilmarnock 22·3, and in Paisley 21·8.

Of the 4765 children whose births were registered during the month 4419, or 92·7 per cent., were legitimate, while 346, or 7·3 per cent., were illegitimate. The legitimate children of the month number 156 more than in the previous month, but 96 less than the mean of the numbers of the three preceding months. The illegitimate children of the month number 10 less than in the previous month, but 12 more than the mean of the numbers of the three preceding months. The illegitimate rate of the month is 0·4 less than that of the previous month, and 0·2 less than that of October of last year, but is 0·4 more than the mean of the rates of the three preceding months. In the individual towns this rate varied from 11·4 in Aberdeen, 10·4 in Perth, 8·4 in Hamilton and in Motherwell and Wishaw, and 8·1 in Coatbridge and in Ayr, to 3·0 in Kirkcaldy, and 3·2 in Clydebank.

The marriages registered during the month numbered 1663. This number is 186 less than that of the previous month, and 305 less than the mean of the

numbers of the three preceding months. The monthly marriage-rate was 8.3 per thousand. It is 1.2 less than that of the previous month, 1.6 less than the mean of those of the three preceding months, and 0.3 less than that of October of last year. In the individual towns the monthly marriage-rate ranged from 10.7 in Dundee, 10.4 in Kirkcaldy, and 10.0 in Perth, to 3.5 in Greenock, 4.2 in Clydebank, and 4.8 in Coatbridge. In Glasgow this rate was 8.6, in Edinburgh 9.4, and in Aberdeen 8.5.

Deaths registered in these towns during the month numbered 2468, 1259 being of males and 1209 of females. Compared with the numbers registered in the previous month, deaths of males are 146 more and those of females 125 more. These 2468 deaths include those of 217 persons with usual residence outwith the town of registration, but exclude those of 153 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 64, falls to be deducted to get the corrected number for the month, which is thus found to be 2404. This number is 272 more than that of the previous month, and 221 more than the mean of those of the three preceding months.

The monthly death-rate, based on the corrected number, is 11.9 per thousand. It is 1.0 more than that of the previous month, and 1.0 more than the mean of the three preceding months, but is 0.8 less than that of October of last year. In the individual towns the monthly death-rate varied from 14.3 in Aberdeen, 12.6 in Glasgow, and 12.0 in Edinburgh, to 7.1 in Hamilton, 8.8 in Ayr, and 9.2 in Falkirk. In Dundee this rate was 11.9, in Kilmarnock 11.8, in Perth 11.4, in Coatbridge 11.0, in Kirkcaldy 11.0, in Dunfermline 10.9, in Paisley 10.3, in Motherwell and Wishaw 9.9, in Clydebank 9.7, and in Greenock 9.6.

Deaths of children of less than one year old numbered 401. This number is 67 more than that of the previous month, and 83 more than the mean of those of the three preceding months. The infantile mortality rate of the month is 77 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is 12 more than that of the previous month, and 17 more than the mean of those of the three preceding months, but is 19 less than that for the corresponding month of last year. In the individual towns this rate varied from 155 in Perth, 115 in Aberdeen, and 106 in Coatbridge, to 28 in Falkirk, 39 in Ayr, and 43 in Hamilton. In Kirkcaldy it was 91, in Glasgow 83, in Dunfermline 83, in Dundee 81, in Clydebank 59, in Motherwell and Wishaw 58, in Edinburgh 56, in Greenock 56, in Paisley 55, and in Kilmarnock 51.

Deaths from the principal epidemic diseases numbered 149, and equalled a death-rate of 0.7 per thousand. These deaths numbered 35 more than in the previous month, and 15 more than the mean of the numbers of the three preceding months. This rate is 0.1 more than in the previous month, and the same as the mean of those of the three preceding months, but is 0.2 less than that of October of last year. These deaths include 3 from enteric fever, 31 from measles, 18 from scarlet fever, 22 from whooping-cough, 19 from diphtheria, and 56 from the diarrhoeas of childhood. Compared with the numbers of the previous month, deaths from measles are 16 more, from the diarrhoeas of childhood 13 more, from scarlet fever 9 more, from diphtheria 6 more, and from enteric fever 1 more, but those from whooping-cough are 10 fewer.

Deaths from influenza numbered 15. In September they numbered 8, and in August 7.

Deaths from all forms of respiratory disease, other than phthisis, and exclusive of those associated with influenza, numbered 359. They are 84 more than in the previous month, and 103 more than the mean of the numbers of the three preceding months. Of these 359 deaths, 134 were attributed to bronchitis, and 192 to pneumonia, the former being 31 more, and the latter 46 more than in the previous month.

Deaths from all forms of tuberculosis numbered 224, of which 159 were attributed to tuberculosis of the respiratory system. The former number 1 more than in the previous month, but are 12 less than the mean of the numbers of the three preceding months. The latter are 14 more than in the previous month, but are the same as the mean of the numbers of the three preceding months.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

OCTOBER 1922.

Mean barometric pressure, 30·121 in.; greater than the average of 1881-1915 by 0·273 in.

Mean temperature, 46·5°; less by 0·8°.

Mean daily range of temperature, 11·4°; less by 0·4°.

Rain, depth in inches, 2·30; less by 1·09 in.

A 4 days' excess of winds from between north and east.

Hence the month was characterised by an abnormally high mean pressure; a slightly low mean temperature, with a slightly low mean daily range; a very low mean rainfall; and a large excess of northerly and easterly winds.

Pressure distribution was at first of a cyclonic type; but from 6th to 30th, except for a short break about 11th, anti-cyclonic conditions were dominant. From 16th onwards the anti-cyclone was centred at first over Scandinavia and then near Iceland, with a steady flow of air over Scotland from between north and east. On 31st a deep depression came in from the Atlantic. The mean pressure of the month has been exceeded in Scotland in October during the last 60 years only in 1919. At Edinburgh, at sea-level, the extremes were 30·48 in. on 19th and 29·66 in. on 31st.

Temperature was above the normal during the first half of the month, with highest readings between 14th and 16th (70° at Gordon Castle and Kelso), whilst the last ten days were everywhere very cold, with sharp frost on several consecutive nights in various districts. The lowest reading in screen was 16° at Braemar on night of 30th-31st.

Rain was general from 1st to 5th, and again on 11th and 12th. From 13th until almost the end of the month there was an unusually fine spell of weather over a great part of Scotland. In eastern districts, however, the prevailing north-easterly winds brought frequent though only moderately heavy precipitation, and at some places in the south-east rain fell on every day from 17th onwards. On 31st heavy rain set in in the west, spreading at night over the whole of Scotland,—as much as 3·16 in. at Ullapool. Even with the large falls on the 31st, which at many places accounted for a great part of the month's total, aggregates were practically everywhere much below the normal, with less than half the average in some northern and south-western districts.

Snow fell locally in eastern districts between 26th and 30th, lying to a depth of several inches in some upland areas, and here and there in west on morning of 31st.

A severe thunderstorm occurred towards north-west on evening of 31st.

Sunshine aggregates were in general fully equal to the normal, and in western districts much sunny weather was experienced.

Aurora was observed in Shetland on 5th, and fairly widely on 25th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 80.

Abstract.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, OCTOBER 1922.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1922.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . .	1,034,069	1,037,800	1108	1099	2207	2057	150	755	582	530	1112	79	81	1114
EDINBURGH, . .	420,281	420,500	376	360	736	678	58	337	237	233	470	47	5	428
DUNDEE, . .	168,217	167,600	178	173	351	329	22	153	75	104	179	13	4	170
ABERDEEN, . .	158,969	158,700	181	161	342	303	39	114	102	98	200	20	13	193
PAISLEY, . .	84,837	85,000	90	67	157	145	12	38	42	39	81	8	1	74
GREENOCK, . .	81,120	81,800	93	87	180	169	11	24	35	36	71	5	1	67
MOTHERWELL AND WISHAW, .	68,869	69,300	54	77	131	120	11	36	28	16	44	0	14	58
CLYDEBANK, . .	46,515	47,500	46	47	93	90	3	17	13	16	29	2	12	39
COATBRIDGE, . .	43,909	44,000	53	46	99	91	8	18	22	20	42	3	2	41
DUNFERMLINE, .	39,886	41,000	34	29	63	59	4	22	18	25	43	8	3	38
KIRKCALDY, . .	39,591	39,600	37	30	67	65	2	35	17	18	35	4	6	37
HAMILTON, . .	39,420	39,500	42	41	83	76	7	21	9	10	19	0	5	24
KILMARNOCK, . .	35,756	35,900	31	37	68	63	5	20	21	19	40	7	3	36
AYR, . .	35,741	36,100	40	34	74	68	6	24	16	16	32	5	0	27
FALKIRK, . .	33,312	33,300	37	29	66	63	3	21	17	12	29	4	1	26
PERTH, . .	33,208	33,000	30	18	48	43	5	28	25	17	42	12	2	32
TOTAL . . (SIXTEEN TOWNS)	2,863,700	2,870,600	2430	2335	4765	4419	346	1663	1259	1209	2468	217	153	2404

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, OCTOBER 1922.

TOWNS.	Birth- Rate per 1000 of Pop- ulation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popula- tion.	DEATH-RATES PER 1000 OF POPULATION FROM					DEATHS UNDER ONE YEAR OF AGE.		
				All Causes.		Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . .	25·0	6·8	8·6	12·6	12·6	0·7	1·3	1·0	2·2	205	83
EDINBURGH, . .	20·6	7·9	9·4	13·2	12·0	0·7	1·0	0·6	1·8	44	56
DUNDEE, . .	24·7	6·3	10·7	12·6	11·9	0·4	0·7	0·4	2·1	30	81
ABERDEEN, . .	25·4	11·4	8·5	14·8	14·3	2·2	0·9	0·7	1·9	40	115
PAISLEY, . .	21·8	7·6	5·3	11·2	10·3	0·3	1·0	0·8	0·6	10	55
GREENOCK, . .	25·9	6·1	3·5	10·2	9·6	0·4	0·7	0·3	1·0	11	56
MOTHERWELL AND WISHAW, .	22·3	8·4	6·1	7·5	9·9	0·8	1·0	0·8	0·8	9	58
CLYDEBANK, . .	23·1	3·2	4·2	7·2	9·7	0·5	1·7	1·5	1·0	6	59
COATBRIDGE, .	26·5	8·1	4·8	11·2	11·0	1·9	1·3	0·5	1·6	11	106
DUNFERMLINE,	18·1	6·3	6·3	12·4	10·9	0·0	1·1	0·9	0·6	6	83
KIRKCALDY, . .	19·0	3·0	10·4	10·4	11·0	0·3	1·5	1·5	0·6	7	91
HAMILTON, . .	24·7	8·4	6·3	5·7	7·1	0·3	0·9	0·6	0·9	4	43
KILMARNOCK, .	22·3	7·4	6·6	18·1	11·8	0·3	0·7	0·0	1·6	4	51
AYR, . .	24·2	8·1	7·8	10·5	8·8	0·3	1·0	0·7	2·0	3	39
FALKIRK, . .	28·3	4·5	7·4	10·2	9·2	0·0	1·4	0·4	1·1	2	28
PERTH, . .	17·1	10·4	10·0	15·0	11·4	1·1	1·1	0·7	1·1	9	155
TOTAL . . (SIXTEEN TOWNS)	23·7	7·3	8·3	12·3	11·9	0·7	1·1	0·8	1·8	401	77

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR OCTOBER 1922, AND FOR THE CORRESPONDING MONTH OF THE PRECEDING TEN YEARS, IN THE PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	Deaths from								* Infantile Mortality Rate.	Mean Temperature (Seven Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
OCT. 1922,	23.7	7.3	8.3	11.9	3	0	31	18	22	19	56	77	46°.5	
OCT. 1921,	26.8	7.5	8.6	12.7	2	0	1	12	20	21	115	89	52°.7	
OCT. 1920,	27.9	7.9	9.5	12.8	5	9	4	13	15	29	90	90	49°.1	
OCT. 1919,	29.7	7.5	10.8	11.9	6	0	18	18	14	43	57	92	46°.8	
OCT. 1918,	22.1	9.1	9.7	28.7	5	0	8	12	63	48	62	138	48°.0	
OCT. 1917,	20.3	8.6	7.8	12.4	6	0	31	11	52	38	90	99	43°.9	
OCT. 1916,	23.5	8.4	7.2	14.0	14	0	49	26	13	33	155	113	47°.9	
OCT. 1915,	22.4	6.5	8.3	15.6	10	0	67	74	12	47	172	140	46°.9	
OCT. 1914,	27.0	7.1	7.0	15.1	22	0	7	63	45	75	171	123	49°.3	
OCT. 1913,	26.7	6.9	7.2	14.5	14	0	63	47	17	53	151	117	50°.3	
OCT. 1912,	27.5	6.3	7.4	14.8	5	5	3	21	38	48	79	110	46°.6	

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—October 1922.

Causes of Death.	Age.														
	Total.	Males.	Females.	-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85-
Enteric Fever	3	2	2	-	-	-	-	-	-	1	-	1	1	-	-
Typhus Fever	2	1	2	1	-	-	-	-	-	-	-	-	1	-	-
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles	31	19	12	10	15	5	-	-	-	1	-	-	-	-	-
Scarlet Fever	18	9	9	-	11	5	-	-	-	2	-	-	-	-	-
Whooping-cough	22	8	14	9	13	-	-	-	-	-	-	-	-	-	-
Diphtheria	19	13	6	3	14	1	1	1	-	-	-	-	-	-	-
Influenza	15	8	7	3	-	-	-	-	2	1	5	1	-	2	1
Encephalitis Lethargica	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cerebro-spinal Meningitis	3	3	-	2	1	-	-	-	-	3	1	1	4	1	-
Other Epidemic Diseases	14	6	8	4	1	-	-	-	-	33	19	13	4	2	-
Tuberculosis of Respiratory System	159	81	78	1	-	3	1	48	35	33	19	13	4	2	-
Tuberculous Meningitis	25	10	15	9	11	2	1	2	-	-	-	-	-	-	-
Tuberculosis of Intestines and Peritoneum	10	5	5	-	2	1	1	4	-	1	1	-	-	-	-
Other Tuberculous Disease	30	14	16	-	2	2	3	8	3	1	5	4	2	-	-
Malignant Tumours	282	124	158	-	-	-	-	-	28	47	90	70	38	4	-
Rheumatic Fever	5	3	2	-	-	-	-	-	1	-	-	-	-	-	-
Meningitis (not Cer.-spin. or Tuberc.)	19	10	9	7	5	1	-	2	1	2	1	1	-	-	-
Apoplexy	185	88	102	1	-	3	2	8	13	26	33	52	41	73	40
Heart Disease	252	134	118	-	-	-	-	-	-	4	6	7	9	6	3
Diseases of Arteries	29	14	15	-	-	3	2	8	10	11	28	43	18	14	3
Bronchitis	134	73	61	12	4	-	-	-	2	5	11	14	7	9	3
Pneumonia (all forms)	192	102	86	49	39	2	3	6	13	10	21	14	7	5	2
Other Diseases of Respiratory System	33	13	20	6	2	3	-	1	2	1	4	-	-	-	-
Diarrhoea and Enteritis (under 2 years)	56	33	23	48	8	-	-	-	-	-	-	-	-	-	-
Appendicitis	19	10	9	-	2	-	5	4	1	2	3	2	-	-	-
All Diseases of Liver (not Malignant)	20	7	13	-	-	1	-	1	3	1	6	1	2	1	2
Nephritis, Acute and Chronic	76	36	40	-	1	3	1	1	2	11	20	14	16	6	1
Puerperal Sepsis	13	-	13	-	-	-	-	4	3	6	-	-	-	-	-
Other Dis. & Accidents of Preg. & Part.	18	-	18	-	-	-	-	1	9	8	-	-	-	-	-
Diseases of Early Infancy and Malform.	188	109	79	187	1	-	-	-	-	-	-	-	-	-	-
Suicide	10	7	3	-	-	-	-	-	-	4	5	1	-	-	-
Other Violent Deaths	82	49	33	5	11	8	3	4	7	11	14	2	7	8	2
Other Defined Diseases	394	189	205	38	17	4	7	18	23	35	38	57	48	79	30
Causes Ill-defined or Unknown	46	24	22	6	-	-	-	2	1	1	9	9	11	7	-
	2404	1201	1203	401	158	45	35	119	126	197	264	352	369	275	63

Causes of Death.

DEATHS IN EACH TOWN (corrected for Transfers)—October 1922.

		CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	...	...	3	1	...	...	...	...	...	...	...
Typhus Fever	...	...	...	2	2	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	31	1	1	1	26	1	...	...	1
Scarlet Fever	...	...	...	18	11	6	...	...	1	1	...	1
Whooping-cough	...	...	...	22	12	6	1	2	...	...	...	1
Diphtheria	...	...	...	19	9	5	1	...	...	...	...	1
Influenza	...	...	...	15	8	3	1	...	...	...	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	3	2	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	14	10	...	1	...	...	...	...	...
Tuberculosis of Respiratory System	...	159	88	20	6	9	6	2	5	6	5	6
Tuberculous Meningitis	...	25	11	8	2	...	...	...	1	...	...	...
Tuber. of Intestines and Peritoneum	10	6	...	...	...	1	...	...	...	...	...	...
Other Tuberculous Disease	30	9	6	2	2	1	1	2	1	1	1	1
Malignant Tumours	282	123	50	25	26	12	7	10	7	10	3	3
Rheumatic Fever	5	4	...	...	...	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	19	11	3	1	...	1	1	...	1	1	...	...
Apoplexy	185	80	37	8	16	3	6	7	13	6	2	5
Heart Disease	252	95	64	20	21	7	7	...	...	3	3	2
Diseases of Arteries	29	11	6	4	1	2	2	3	4	...	1	...
Bronchitis	134	60	29	10	10	3	3	3	4	3	3	2
Pneumonia (all forms)	192	114	28	18	11	...	...	...	3	2	2	2
Other Diseases of Respiratory System	33	16	7	2	4	1	...	...	...	...	...	...
Diarrhoea and Enteritis (under 2 years)	56	31	6	2	1	...	...	...	2	4	...	...
Appendicitis	19	12	1	2	...	...	...	...	1	1	1	1
All Diseases of Liver (not Malignant)	20	5	4	1	3	1	2	7	1	2	1	...
Nephritis, Acute and Chronic	76	37	15	4	4	7	7	...	...	...	...	...
Puerperal Sepsis	13	6	2	3	...	1	1	4	4	...	...	1
Other Diseases and Accidents of Pregnancy and Parturition	18	11	1	...	...	1	2	...	...	...	...	2
Dis. of Early Infancy and Malformations	188	84	26	16	18	8	5	8	5	5	5	3
Suicide	10	4	2	4	...	...	...	...	...	...	...	...
Other Violent Deaths	82	46	14	7	3	...	...	1	1	3	2	2
Other Defined Diseases	394	174	74	25	31	14	9	14	9	15	7	7
Causes Ill-defined or Unknown	46	20	4	3	4	4	4	4	4	...	...	1
All Causes	2404	1114	428	170	193	74	67	58	39			
AGE AT DEATH.												
Under 1	...	...	...	401	205	44	30	40	10	11	9	6
1-4	...	...	...	158	71	25	12	22	3	3	7	3
5-9	...	...	...	45	23	8	2	5	1	2	1	...
10-14	...	...	...	35	16	3	1	3	...	2	...	...
15-24	...	...	...	119	63	18	4	6	5	2	3	5
25-34	...	...	...	126	60	25	8	9	2	3	6	2
35-44	...	...	...	197	104	28	16	8	4	10	4	2
45-54	...	...	...	264	121	41	25	16	11	8	7	7
55-64	...	...	...	352	167	77	13	27	10	13	7	7
65-74	...	...	...	369	160	74	32	31	13	5	6	3
75-84	...	...	...	275	104	65	23	23	12	5	4	4
85 and over	...	...	...	63	20	20	4	3	3	3	4	...
All Ages	2404	1114	428	170	193	74	67	58	39			

DEATHS IN EACH TOWN (corrected for Transfers)—October 1922—*continued.*

CAUSES OF DEATH.												
					Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	2							
Typhus Fever	...	...	...	...				
Small-pox	...	...	...	...				
Measles	...	...	...	...			1					
Scarlet Fever	...	...	...	...				
Whooping-cough	...	...	...	...				
Diphtheria	...	...	...	...					1			
Influenza...	...	...	...	...		1					1	
Encephalitis Lethargica	...	...	...	...				
Cerebro-spinal Meningitis	...	...	1									
Other Epidemic Diseases	...	...	...	...			1				1	1
Tuberculosis of Respiratory System	...	2	3	5	2				2	1	2	
Tuberculous Meningitis	...	1							1		1	
Tuber. of Intestines and Peritoneum	...	1									2	
Other Tuberculous Disease	...	1	1				1	2			1	
Malignant Tumours	...	1	6	1	4		4		5		1	4
Rheumatic Fever	...	1										
Meningitis (not Cerebro-spinal or Tuber.)	...							1				1
Apoplexy	...	5	6	4			3		4	2	4	
Heart Disease	...	2	4	5	2		5		3	4	2	
Diseases of Arteries	...						3					1
Bronchitis	...	2	2				1	2	4	1	1	
Pneumonia (all forms)	...	4		1			3		2	1	2	
Other Diseases of Respiratory System	...			1							1	
Diarrhoea and Enteritis (under 2 years)	5			1					1			3
Appendicitis	...					1						
All Diseases of Liver (not Malignant)	1	2										
Nephritis, Acute and Chronic	...		1	3			3					1
Puerperal Sepsis	...	1										
Other Diseases and Accidents of Pregnancy and Parturition	...		1									
Dis. of Early Infancy and Malformations	4	4	6	2	1		2		1	1	3	
Suicide	...											
Other Violent Deaths	...		2	1	1				1		1	
Other Defined Diseases	...	5	7	8	5		7		1	7	5	
Causes Ill-defined or Unknown	...	1			1		1	1	1	2		
All Causes		...	41	38	37	24	36	27	26	32		
AGE AT DEATH.												
Under 1	...	...	11	6	7	4	4	3	2	9		
1-4	...	3		1			2			3	3	
5-9	...		1	1	1							
10-14	...	3				2	1	2		1	1	
15-24	...	1	1	4	2	2	2	1	1	1	1	
25-34	...	2	4	2			1	1	1	1	1	
35-44	...	4	4	3	4		1	1	3	1	1	1
45-54	...	4	5	3	1		3	1	6	1	5	
55-64	...	8	4	1	6		5			3	4	
65-74	...	3	6	7	2		11		5	7	4	
75-84	...	2	5	8	2		4		6	5	3	
85 and over	...		2				2			1	1	
All Ages		...	41	38	37	24	36	27	26	32		

Abstract of Meteorological Observations.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of OCTOBER 1922.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.								
	Mean at Sea-Level and 32°.		Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Difference from Average, 1881-1915.		Number of Observations at 9 A.M. and 9 P.M.								
	Mean at Station and 32°.	Height of Station above Sea-level.	Maximum (A).	Minimum (B.)	Day of Month.	Day of Month.	Dry Bulb.	Vapour Pressure.	Humidity.	N	NE	E	SE	S	SW	W	NW
GLASGOW.	feet.	inch.	°	°	°	°	°	°	inch.	inch.	inch.	inch.	inch.	inch.	inch.	inch.	inch.
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.934	30.116	51.3	39.9	45.6	-1.1	62	147h	27	297h	44.2	1.1	265	92	14	1.52 -1.14
ABERDEEN,* The Meteorological Office.	99	30.020	30.121	52.2	42.4	47.3	0.0	62	147h	31	318h	45.2	1.5	266	89	20	2.26 -0.74
PAISLEY, The Coats Observatory.	107	30.010	30.130	52.9	41.0	47.0	-1.4	66	147h	26	297h	45.8	2.2	259	84	9	2.59 -1.15
LEITH.†	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GREENOCK,† JAMES MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.868	30.126	52.3	42.8	47.6	+0.1	63	147h	31	297h	46.1	2.4	258	83	9	3.49 -1.89
PERTH,† JOHN RITCHIE, Junr., The Museum.	22	30.095	30.119	53.3	37.1	45.2	-1.2	65	7th	20	307h	8	2.25 -0.70
Means	176	29.926	30.121	52.2	40.8	46.5	-0.8	45.4	1.9	260	86	12	2.30 ..
																4	10
																8	5
																7	8

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North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 28'; Greenock, 55° 57'; Leith, 55° 57'; Paisley, 5° 13'; Edinburgh, 4° 13'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 3° 11'; Leith, 3° 27'; Greenock, 3° 8'; Perth, 4° 46'; Greenock, 3° 25'; Perth, 3° 32'.

* At King's College at 7 A.M. and 6 P.M.
† At 9 A.M. only.

FOR OFFICIAL USE.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES IN SIXTEEN OF THE PRINCIPAL TOWNS OF SCOTLAND.

NOVEMBER 1922.

Published by Authority of the Registrar-General.

REPORT.

During the month of November 1922 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4272 living children, of whom 2127 were males, and 2145 were females. The male children of the month numbered 303 fewer, and the female children 190 fewer, than those of the previous month. The total children registered during the month numbered 493 less than those of the previous month, and 477 less than the mean of the numbers registered during the three preceding months.

The monthly birth-rate in these burghs taken collectively was 21·9 per thousand. This rate is 1·8 less than in the previous month, 1·9 less than the mean of those of the three preceding months, and 3·3 less than that of November of last year. In the individual towns the monthly birth-rate ranged from 23·8 in Aberdeen, 23·6 in Greenock, and 23·4 in Glasgow, to 17·5 in Dunfermline, 18·8 in Edinburgh, 19·3 in Kilmarnock, and 19·9 in Ayr. In Coatbridge this rate was 23·2, in Paisley 22·8, in Perth 21·8, in Dundee 21·3, in Hamilton 20·9, in Kirkcaldy 20·6, in Falkirk 20·4, in Motherwell and Wishaw 20·0, and in Clydebank 20·0.

Of the 4272 children whose births were registered during the month 3986, or 93·3 per cent., were legitimate, while 286, or 6·7 per cent., were illegitimate. The legitimate children of the month number 433 less than in the previous month, and 424 less than the mean of the numbers of the three preceding months. The illegitimate children of the month number 60 less than in the previous month, and 53 less than the mean of the numbers of the three preceding months. The illegitimate rate of the month is 0·6 less than that of the previous month, 0·5 less than the mean of those of the three preceding months, and 0·2 less than that of November of last year. In the individual towns this rate varied from 14·0 in Kilmarnock, 10·6 in Aberdeen, 8·8 in Edinburgh, and 8·5 in Ayr, to 2·4 in Coatbridge, 3·1 in Greenock, 2·9 in Hamilton, and 3·4 in Perth. In Glasgow it was 6·2, and in Dundee 7·1.

The marriages registered during the month numbered 1285. This number is 378 less than that of the previous month, and 387 less than the mean of those of the three preceding months. The marriage-rate was 6·6 per thousand. It is 1·7 less than that of the previous month, 1·8 less than the mean of those of the three preceding months, and 0·5 less than that of November of last year. In the individual towns the monthly marriage-rate ranged from 9·8 in Aberdeen, 9·2 in Perth, 7·6 in

Edinburgh, and 6·7 in Glasgow and in Ayr, to 1·5 in Clydebank, 3·1 in Hamilton, and 4·1 in Coatbridge. In Falkirk this rate was 6·6, in Paisley 6·0, in Dundee 5·7, in Dunfermline 5·6, in Kirkcaldy 5·5, in Greenock 4·8, in Motherwell and Wishaw 4·7, and in Kilmarnock 4·4.

Deaths registered in these towns during the month numbered 3013, 1435 being of males and 1578 of females. Compared with the numbers registered in the previous month, deaths of males are 176 more and those of females 369 more. These 3013 deaths include those of 216 persons with usual residence outwith the town of registration, but exclude those of 110 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 106, falls to be deducted to get the corrected number for the month, which is thus found to be 2907. This number is 503 more than that of the previous month, and 689 more than the mean of those of the three preceding months.

The monthly death-rate, based on the corrected number, is 14·9 per thousand. It is 3·0 more than that of the previous month, 3·8 more than the mean of the numbers of the three preceding months, and 0·5 more than that of November of last year. In the individual towns the monthly death-rate varied from 18·6 in Aberdeen, 18·3 in Kilmarnock, 15·9 in Perth, 15·7 in Dundee, and 15·5 in Glasgow, to 10·1 in Ayr, 11·0 in Clydebank, and 11·4 in Kirkcaldy. In Coatbridge this rate was 14·9, in Greenock 14·6, in Edinburgh 14·0, in Paisley 13·6, in Falkirk 13·1, in Motherwell and Wishaw 12·5, in Dunfermline 12·5, and in Hamilton 12·3.

Deaths of children of less than one year old numbered 509. This number is 108 more than that of the previous month, and 169 more than the mean of those of the three preceding months. The infantile mortality rate of the month is 102 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is 25 more than that of the previous month, 37 more than the mean of the rates of the three preceding months, and 12 more than that of the corresponding month of last year. In the individual towns this rate varied from 216 in Kilmarnock, 164 in Aberdeen, and 125 in Dundee, to 17 in Perth, 46 in Hamilton, and 54 in Motherwell and Wishaw and in Kirkcaldy. In Coatbridge this rate was 121, in Dunfermline 116, in Glasgow 107, in Greenock 103, in Clydebank 103, in Falkirk 88, in Edinburgh 71, in Paisley 69, and in Ayr 67.

Deaths from the principal epidemic diseases numbered 223, and equalled a death-rate of 1·1 per thousand. These deaths numbered 74 more than in the previous month, and 98 more than the mean of the numbers of the three preceding months. This rate is 0·4 more than in the previous month, 0·5 more than the mean of the numbers of the three preceding months, and 0·4 more than that of the corresponding month of last year. These deaths include 5 from enteric fever, 75 from measles, 18 from scarlet fever, 52 from whooping-cough, 33 from diphtheria, and 40 from the diarrhoeas of childhood. Compared with the numbers of the previous month, deaths from the diarrhoeas of childhood are 16 fewer, but those from scarlet fever are of the same amount, while those from enteric fever are 2 more, from diphtheria 14 more, from whooping-cough 30 more, and from measles 44 more. Of the 75 deaths from measles 58 were registered in Aberdeen.

Deaths from influenza numbered 37. In October they numbered 15, and in September 8.

Deaths from all forms of respiratory disease, other than phthisis, and exclusive of those associated with influenza, numbered 643. They are 284 more than in the previous month, and 356 more than the mean of the numbers of the three preceding months. Of these 643 deaths, 375 were ascribed to pneumonia, and 222 to bronchitis, the former being 183 more, and the latter 88 more than in the previous month.

Deaths from all forms of tuberculosis numbered 216, of which 144 were attributed to tuberculosis of the respiratory system. The former number 8 less than in the previous month, but are 9 less than the mean of the numbers of the three preceding months. The latter are 15 less than in the previous month, and are 9 less than the mean of the numbers of the three preceding months.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

NOVEMBER 1922.

Mean barometric pressure, 30.055 in.; greater than the average of 1881-1915 by 0.234 in.

Mean temperature, 43.3° ; greater by 1.2° .

Mean daily range of temperature, 9.7° ; less by 0.2° .

Rain, depth in inches, 2.22; less by 1.28 in.

Wind, direction of: a 9 days' excess of winds from between south-west and north-west.

Hence the month was characterised by an abnormally high mean pressure; a high mean temperature; a low mean rainfall; and a very large excess of westerly winds.

For the first ten days conditions were of a cyclonic type, but thereafter the pressure distribution was dominated by a large anti-cyclone, which was centred over Southern Scotland on 15th, but further south during the rest of the period. The mean pressure was the highest for November since 1901. At Edinburgh, at sea-level, the extremes were 30.80 in. on 15th and 28.97 in. on 6th, the former reading being the highest recorded in November since 1857.

The cold which had set in towards the end of October persisted till November 5th, but thereafter the only touch of wintry weather occurred about 25th. The week ending 18th was abnormally mild in Scotland, with a mean temperature at Edinburgh of 47.6° , compared with only 40.3° at London (Kew Observatory). The mean temperature of the month was above the normal, but considerably lower than in November 1920. Extremes were 61° at Kelso on 14th and 18° at Eskdalemuir on 25th.

Except in the extreme south-east, a good deal of rain fell during the first ten days, with as much as 3.21 in. at Castle Lachlan (Loch Fyne) on 5th, and 2.04 in. at Gruline (Mull) on 9th. From 11th to 29th there was very little rain towards east and south, and at a few places there was none; but in north and west rain was frequent though heavy falls were rare. The aggregate for the month was nearly everywhere below the normal,—for the fourth consecutive month in many districts. Less than a third of the normal was received over a considerable area near the Border, with little more than a quarter of an inch at Kelso.

Snow fell in many places during the first four days, with considerable drifting in some north-eastern districts. Toward's north-east there was again a little snow between 24th and 27th.

Thunder occurred locally in west on 2nd.

A severe gale was experienced in the north on 1st and 2nd; and further gales on 10th and 23rd.

There was dense fog in Glasgow on 20th.

The month was unusually sunny towards east and south, but rather cloudy in north-west.

Aurora was observed at Banff on 28th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 88.

Abstract.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, NOVEMBER 1922.

TOWNS.	POPULATION.		BIRTHS.						DEATHS.					
	Census 1921.	Estimated to middle of 1922.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	MARRIAGES.	Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . .	1,034,069	1,037,800	1010	988	1998	1874	124	572	673	709	1382	102	42	1322
EDINBURGH, . .	420,281	420,500	307	343	650	593	57	261	255	280	535	56	5	484
DUNDEE, . .	168,217	167,600	145	149	294	273	21	79	99	118	217	7	6	216
ABERDEEN, . .	158,969	158,700	151	160	311	278	33	128	114	128	242	13	13	242
PAISLEY, . .	84,837	85,000	81	78	159	151	8	42	40	56	96	1	0	95
GREENOCK, . .	81,120	81,800	81	78	159	154	5	32	52	47	99	5	4	98
MOTHERWELL AND WISHAW, . .	68,869	69,300	60	54	114	110	4	27	26	37	63	0	8	71
CLYDEBANK, . .	46,515	47,500	28	50	78	75	3	6	11	24	35	2	10	43
COATBRIDGE, . .	43,909	44,000	41	43	84	82	2	15	27	23	50	0	4	54
DUNFERMLINE, . .	39,886	41,000	23	36	59	55	4	19	21	26	47	7	2	42
KIRKCALDY, . .	39,591	39,600	38	29	67	62	5	18	13	22	35	1	3	37
HAMILTON, . .	39,420	39,500	37	31	68	66	2	10	20	16	36	1	5	40
KILMARNOCK, . .	35,756	35,900	33	24	57	49	8	13	29	27	56	5	3	54
AYR, . .	35,741	36,100	37	22	59	54	5	20	16	17	33	5	2	30
FALKIRK, . .	33,312	33,300	24	32	56	53	3	18	20	16	36	2	2	36
PERTH, . .	33,208	33,000	31	28	59	57	2	25	19	32	51	9	1	43
TOTAL . . (SIXTEEN TOWNS)	2,363,700	2,370,600	2127	2145	4272	3986	286	1285	1435	1578	3013	216	110	2907

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, NOVEMBER 1922.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PFR 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuber- culosis.	Tuber. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . .	23·4	6·2	6·7	16·2	15·5	0·9	1·3	0·9	4·3	252	107
EDINBURGH, . .	18·8	8·8	7·6	15·5	14·0	0·9	0·8	0·5	2·1	53	71
DUNDEE, . .	21·3	7·1	5·7	15·7	15·7	1·5	1·0	0·7	2·6	44	125
ABERDEEN, . .	23·8	10·6	9·8	18·6	18·6	4·7	0·8	0·5	3·0	55	164
PAISLEY, . .	22·8	5·0	6·0	13·7	13·6	0·9	1·0	0·4	2·0	12	69
GREENOCK, . .	23·6	3·1	4·8	14·7	14·6	0·6	1·2	0·7	3·1	19	103
MOTHERWELL AND WISHAW, . .	20·0	3·6	4·7	11·1	12·5	0·7	0·7	0·4	2·1	8	54
CLYDEBANK, . .	20·0	3·8	1·5	9·0	11·0	0·5	1·3	0·8	2·6	10	103
COATBRIDGE, . .	23·2	2·4	4·1	13·8	14·9	1·1	1·7	1·4	3·3	12	121
DUNFERMLINE, . .	17·5	6·8	5·6	14·0	12·5	0·6	0·9	0·9	1·5	8	116
KIRKCALDY, . .	20·6	7·5	5·5	10·7	11·4	0·0	1·2	0·9	0·3	4	54
HAMILTON, . .	20·9	2·9	3·1	11·1	12·3	1·2	0·6	0·0	2·8	4	46
KILMARNOCK, . .	19·3	14·0	4·4	19·0	18·3	2·4	1·0	0·7	5·4	16	216
AYR, . .	19·9	8·5	6·7	11·1	10·1	0·0	1·0	1·0	3·7	5	67
FALKIRK, . .	20·4	5·4	6·6	13·1	13·1	0·7	1·5	0·7	2·9	6	88
PERTH, . .	21·8	3·4	9·2	18·8	15·9	0·4	2·2	1·8	4·8	1	17
TOTAL . . (SIXTEEN TOWNS)	21·9	6·7	6·6	15·5	14·9	1·1	1·1	0·7	3·3	509	102

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR NOVEMBER 1922, AND FOR THE CORRESPONDING MONTH OF THE PRECEDING TEN YEARS, IN THE PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM									Mean Temperature. (Seven Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).	*Infantile Mortality Rate.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
NOV. 1922,	21·9	6·7	6·6	14·9	5	0	75	18	52	33	40	102	43°·3	
NOV. 1921,	25·2	6·9	7·1	14·4	6	0	4	17	11	22	67	84	40°·3	
NOV. 1920,	26·9	7·5	10·2	15·6	5	4	7	16	21	45	76	110	45°·5	
NOV. 1919,	28·8	7·5	9·8	14·7	4	0	62	24	11	40	50	114	36°·2	
NOV. 1918,	19·9	9·2	7·7	25·8	3	0	4	13	52	51	34	138	40°·5	
NOV. 1917,	21·0	9·1	8·1	13·2	0	0	46	11	30	45	39	103	45°·2	
NOV. 1916,	24·2	7·3	7·4	15·0	10	0	58	16	18	36	73	107	44°·5	
NOV. 1915,	22·0	6·7	11·2	20·0	8	0	66	57	14	55	78	142	36°·7	
NOV. 1914,	25·3	7·9	7·8	16·9	14	0	16	75	71	62	79	125	43°·1	
NOV. 1913,	22·8	7·1	6·9	15·2	6	0	116	36	19	46	74	123	45°·3	
NOV. 1912,	24·9	6·3	6·2	16·7	15	4	12	16	44	34	50	152	42°·4	

Figures in Columns 5–13 have, for 1913 and subsequent years, been corrected for non-resident deaths

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—November 1922.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85-
Enteric Fever	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—
Typhus Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Small-pox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	—	—	—	75	40	37	29	42	4	—	—	—	—	—	—
Scarlet Fever	—	—	—	18	10	8	2	12	2	1	1	—	—	—	—
Whooping-cough	—	—	—	52	22	30	23	27	2	—	—	—	—	—	—
Diphtheria	—	—	—	33	18	15	2	16	11	1	2	—	—	1	—
Influenza	—	—	—	37	18	19	7	—	1	—	2	—	—	2	—
Encephalitis Lethargica	—	—	—	—	—	—	—	—	—	—	1	4	12	2	6
Cerebro-spinal Meningitis	—	—	—	—	2	1	—	1	1	1	—	—	—	—	—
Other Epidemic Diseases	—	—	—	11	6	5	—	—	—	—	—	2	2	—	—
Tuberculosis of Respiratory System	—	—	—	143	70	74	1	2	1	5	36	34	30	24	8
Tuberculous Meningitis	—	—	—	23	10	13	5	9	4	2	2	—	1	—	4
Tuberculosis of Intestines and Peritoneum	—	—	—	23	9	14	1	5	4	3	4	1	1	3	1
Other Tuberculous Disease	—	—	—	26	15	11	—	1	3	5	10	2	1	2	—
Malignant Tumours	—	—	—	267	104	163	—	—	—	1	6	21	53	69	82
Rheumatic Fever	—	—	—	7	4	3	—	—	1	1	2	—	—	—	—
Meningitis (not Cer.-spin. or Tuberc.)	—	—	—	18	6	12	5	7	1	1	2	1	1	1	—
Apoplexy	—	—	—	220	99	121	1	—	—	—	—	1	5	31	55
Heart Disease	—	—	—	268	118	150	—	—	—	6	13	12	12	42	56
Diseases of Arteries	—	—	—	37	21	17	—	—	—	—	—	1	1	3	7
Bronchitis	—	—	—	222	95	127	47	12	—	—	2	4	5	17	27
Pneumonia (all forms)	—	—	—	375	204	171	111	85	7	1	14	17	15	31	26
Other Diseases of Respiratory System	—	—	—	46	29	17	8	5	1	1	4	1	2	3	7
Diarrhoea and Enteritis (under 2 years)	—	—	—	40	24	16	34	6	—	—	—	—	—	—	—
Appendicitis	—	—	—	19	8	11	—	—	1	2	5	2	—	3	1
All Diseases of Liver (not Malignant)	—	—	—	15	2	13	—	—	—	—	1	1	4	5	3
Nephritis, Acute and Chronic	—	—	—	95	48	47	—	3	1	6	3	8	25	30	11
Puerperal Sepsis	—	—	—	15	—	15	—	—	—	3	9	3	—	—	6
Other Dis. & Accidents of Preg. & Part.	—	—	—	28	—	28	—	—	—	7	11	10	—	—	—
Diseases of Early Infancy and Malform.	—	—	—	188	96	92	184	3	—	1	—	—	—	—	—
Suicide	—	—	—	17	9	8	—	—	—	2	2	6	5	—	—
Other Violent Deaths	—	—	—	91	66	25	6	11	7	4	9	9	11	8	10
Other Defined Diseases	—	—	—	442	209	233	38	21	3	7	19	18	40	47	41
Causes Ill-defined or Unknown	—	—	—	47	27	20	3	1	—	1	1	4	5	15	11
	2907	1390	1517	509	269	55	43	146	141	179	309	382	474	341	59

Causes of Death

DEATHS IN EACH TOWN (corrected for Transfers) - November 1922.

CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	5	3	2	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	75	3	4	8	58	...	1	1	...
Scarlet Fever	...	18	8	7	1	...	3	...	2	2
Whooping-cough	...	52	32	8	3	1	1	3	...	2
Diphtheria	...	33	11	5	3	1	1	3	1	...
Influenza	...	37	14	10	4	1	...	3	1	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	3	3	...	...	...	...	...	...	...
Other Epidemic Diseases	...	11	6	2	1	1	...	...	...	...
Tuberculosis of Respiratory System	...	144	76	16	9	7	3	5	2	3
Tuberculous Meningitis	...	23	9	3	2	1	1	2	2	...
Tuber. of Intestines and Peritoneum	...	23	15	2	1	...	1	...	...	2
Other Tuberculous Disease	...	26	8	7	2	3	2	1	...	...
Malignant Tumours	...	267	118	54	24	13	13	12	7	2
Rheumatic Fever	...	7	5	1	1	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	18	10	3	1	1	...	...	1	...
Apoplexy	...	220	103	41	12	18	8	8	5	3
Heart Disease	...	268	85	71	25	25	11	7	8	5
Diseases of Arteries	...	37	15	9	4	3	...	2	1	...
Bronchitis	...	222	122	20	11	16	5	7	6	2
Pneumonia (all forms)	...	375	222	42	24	20	8	11	6	7
Other Diseases of Respiratory System	...	46	19	11	1	3	1	3	...	1
Diarrhoea and Enteritis (under 2 years)	...	40	16	6	6	1	2	...	1	...
Appendicitis	...	19	9	5	1	1	...	...	...	...
All Diseases of Liver (not Malignant)	...	15	3	...	4	2	1	...	1	...
Nephritis, Acute and Chronic	...	95	37	20	9	7	5	2	4	...
Puerperal Sepsis	...	15	8	1	5	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	28	15	2	1	2	2	1	...	...
Dis. of Early Infancy and Malformations	...	188	73	28	20	21	2	9	2	8
Suicide	...	17	9	5	...	1	...	...	...	...
Other Violent Deaths	...	91	42	20	6	7	1	2	1	...
Other Defined Diseases	...	442	202	76	23	22	22	17	17	8
Causes Ill-defined or Unknown	...	47	21	3	4	6	3	2	3	...
All Causes	...	2907	1322	484	216	242	95	98	71	43
AGE AT DEATH.										
Under 1	...	509	252	53	44	55	12	19	8	10
1- 4	...	269	130	31	15	42	5	8	7	6
5- 9	...	55	24	9	4	5	...	2	7	1
10-14	...	43	18	9	3	2	3	...	1	1
15-24	...	146	74	13	11	11	4	6	1	2
25-34	...	141	65	21	11	7	5	5	2	2
35-44	...	179	96	22	7	6	10	2	4	3
45-54	...	309	140	64	20	17	11	11	6	4
55-64	...	382	169	71	30	19	19	14	16	2
65-74	...	474	191	108	43	40	12	16	11	6
75-84	...	341	145	65	25	29	12	15	8	5
85 and over	...	59	18	18	2	9	2	...	2	1
All Ages	...	2907	1322	484	216	242	95	98	71	43

DEATHS IN EACH TOWN (corrected for Transfers)—November 1922—*continued.*

CAUSES OF DEATH.									
		Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	1	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	1	...	...	...
Whooping-cough	...	1	...	...	...	...	...	...	...
Diphtheria	...	1	1	...	2	4	...	...	1
Influenza...	...	...	...	1	...	1	...	1	1
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	1	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System	5	3	3	...	2	3	2	5	5
Tuberculous Meningitis	1	...	...	...	1	...	...	...	1
Tuber. of Intestines and Peritoneum	...	...	1	1	...	...	...	...	...
Other Tuberculous Disease	...	...	...	...	...	1	...	2	...
Malignant Tumours	3	8	1	2	4	1	2	3	3
Rheumatic Fever	...	...	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	...	...	...	1	...	...	...	1
Apoplexy	6	3	4	2	2	3	1	1	1
Heart Disease	3	4	4	7	2	2	4	5	5
Diseases of Arteries	...	...	1	1	...	...	...	...	1
Bronchitis	7	...	...	2	10	6	1	7	7
Pneumonia (all forms)	5	3	1	7	5	4	5	5	5
Other Diseases of Respiratory System	...	2	...	...	1	1	2	1	1
Diarrhoea and Enteritis (under 2 years)	2	1	...	1	2	...	2	...	...
Appendicitis	...	2	...	...	...	1	...	...	...
All Diseases of Liver (not Malignant)	1	...	...	1	1	...	...	...	1
Nephritis, Acute and Chronic...	1	2	5	2	1	...	...	...	...
Puerperal Sepsis	...	...	...	...	...	...	1	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	1	1	...	...	2	...	...	1
Dis. of Early Infancy and Malformations	5	6	4	2	5	2	1	...	...
Suicide	...	...	...	1	...	...	1	...	...
Other Violent Deaths	4	1	1	1	3	1	...	...	1
Other Defined Diseases	7	4	11	5	7	4	10	7	7
Causes Ill-defined or Unknown	...	1	1	...	1	...	1	...	1
All Causes	...	54	42	37	40	54	30	36	43
AGE AT DEATH.									
Under 1	...	...	12	8	4	4	16	5	6
1- 4	...	...	5	3	...	6	6	...	2
5- 9	...	...	...	1	1	2	4	...	1
10-14	...	...	...	1	...	1	...	1	3
15-24	...	...	2	3	3	2	2	3	4
25-34	...	...	6	3	1	1	5	2	3
35-44	...	...	9	4	1	4	2	2	6
45-54	...	...	1	1	9	7	7	2	4
55-64	...	...	8	3	6	3	5	5	3
65-74	...	...	5	8	6	6	2	3	11
75-84	...	...	6	7	4	3	5	4	6
85 and over	...	...	...	2	1	...	3	...	1
All Ages	...	54	42	37	40	54	30	36	43

Abstract of Meteorological Observations.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of NOVEMBER 1922.

STATION.	BARO-METER. at Sea-Level and 32°.	AIR TEMPERATURE. Mean of Minimum (B.) Maximum (A.).	HYGROMETER. Mean at 9 A.M. and 9 P.M.	RAIN, AND OTHER FORMS OF PRECIPITATION.								WIND DIRECTIONS.												
				Number of Days.								Number of Observations at 9 A.M. and 9 P.M.												
				Difference from Average, 1881-1915.				Total Fall.				N				NE								
				Day of Month.	Day of Month.	Day of Month.	Day of Month.	Minimum.	Absolute Maximum and Minimum.	Difference from Average, 1881-1915.	Total Fall.	N	NE	E	SE	S	SW	W	NW					
GLASGOW.	30.051	47.7	39.2	43.5	+1.3	54	13/h	28	25th	42.8	2.2	53	11	1.20	0.95	1	1	3	1.8	2.2	1.1	2		
EDINBURGH, Prof. H. G. A. Watson, F.R.S., Royal Observatory.	29.562	47.7	39.2	43.5	+1.3	54	13/h	28	25th	42.8	2.2	53	10	1.27	-1.07	0	0	3	0	40	0	17	0	
DUNDEE, Mr. C. Curator of the Meteor. Office.	29.854	47.7	36.6	42.2	+0.9	55	28th	29	5, 25	41.8	1.1	92	18	2.07	-0.85	5	0	0	1	4	11	15	24	0
ABERDEEN, The Met. Office.	30.010	47.1	39.1	43.1	+1.0	57	14/h	30	4, 5	42.5	1.4	89	15	2.09	-1.49	1	1	3	1	* 12	17	10	11	
PAISLEY, Thos. Coates, Esq.	29.976	48.6	39.6	44.1	+1.1	54	17/h	29	25th	43.8	1.7	87	15	2.09	-1.49	1	1	3	1	* 12	17	10	11	
LEITH.	30.036	48.1	40.3	44.2	+1.5	53	13/h	33	4, 25	43.5	1.5	88	21	4.04	-2.35	2	1	4	2	0	13	33	5	0
GREENOCK,† JAMES MACALISTER, M.I.M.E.C., Greenock Waterworks.	29.827	48.1	40.3	44.2	+1.5	53	13/h	33	4, 25	43.5	1.5	88	21	4.04	-2.35	2	1	4	2	0	13	33	5	0
PERTH,† JOHN RITCHIE, Junr., The Museum.	30.029	49.3	35.7	42.5	+1.4	57	27, 28	26	5th	..	..	..	5	1.95	-0.93	7	1	1	5	2	15	16	13	0
MORAY.	30.055	48.1	38.4	43.3	+1.2	..	..	..	..	42.8	1.6	88	13	2.22	-1.28	3	1	1	2	2	18	17	14	2

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Leith, 55° 58'; Greenock, 56° 57'; Perth, 56° 23'; Mean, 56° 11'. West Longitude.—Glasgow, 4° 13'; Edinburgh, 4° 13'; Dundee, 2° 57'; Aberdeen, 2° 27'; Paisley, 3° 8'; Leith, 4° 46'; Greenock, 4° 25'; Perth, 3° 25'; Mean, 3° 32'.

* At King's College at 7 A.M. and 6 P.M.
† At 9 A.M. only.

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FOR OFFICIAL USE.

MONTHLY RETURN
OF THE
BIRTHS, DEATHS, AND MARRIAGES
IN SIXTEEN OF THE PRINCIPAL TOWNS OF
SCOTLAND.

DECEMBER 1922.

Published by Authority of the Registrar-General.

REPORT.

During the month of December 1922 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4855 living children, of whom 2457 were males, and 2398 were females. Compared with the numbers registered during the previous month, the male children are 330 more, and the female children 253 more. Compared with the mean of the numbers of the three preceding months the male children are 161 more, and the female children 142 more. The total children of the month are 583 more than those registered in the previous month, and 303 more than the mean of the numbers registered in the three preceding months.

The monthly birth-rate of these towns taken collectively is 24·1 per thousand. This rate is 2·2 more than that of the previous month, and 1·0 more than the mean of those of the three preceding months, but is 2·0 less than that of the corresponding month of last year. In the individual towns this rate ranged from 28·9 in Kilmarnock, 28·6 in Hamilton, 26·5 in Coatbridge, and 26·2 in Glasgow, to 16·1 in Dunfermline, 19·2 in Edinburgh, and 21·3 in Clydebank. In Aberdeen this rate was 25·8, in Greenock 25·6, in Paisley 23·8, in Kirkcaldy 23·8, in Dundee 23·5, in Motherwell and Wishaw 22·6, in Ayr 21·6, in Falkirk 21·5, and in Perth 21·4.

Of the 4855 children whose births were registered during the month 4508, or 92·9 per cent., were legitimate, while 347, or 7·1 per cent., were illegitimate. The legitimate children of the month numbered 522 more than those of the previous month, and 285 more than the mean of those of the three preceding months. The illegitimate children of the month numbered 61 more than those of the previous month, and 18 more than the mean of those of the three preceding months. The illegitimate rate of the month is 0·4 more than that of the previous month, and 0·8 more than that of the corresponding month of last year, but is 0·1 less than the mean of those of the three preceding months. In the individual towns the illegitimate rate of the month varied from 16·7 per cent. in Perth, and 12·1 in Aberdeen and in Ayr, to 1·6 in Falkirk, 2·1 in Hamilton, and 3·0 in Coatbridge. In Edinburgh this rate was 9·6, in Dundee 7·2, and in Glasgow 6·7.

Marriages registered during the month numbered 1803. This number is 518 more than that of the previous month, and 204 more than the mean of those of the three preceding months. The monthly marriage-rate is 9·0 per thousand. It is 2·4 more than that of the previous month, and 0·9 more than the mean of those of

the three preceding months, but is 1·0 less than that of December of last year. In the individual towns the monthly marriage-rate varied from 14·9 in Aberdeen, 11·8 in Kilmarnock, and 9·8 in Dundee and in Ayr, to 5·2 in Clydebank, 5·3 in Coatbridge, and 5·5 in Dunfermline. In Edinburgh this rate was 9·7, and in Glasgow 8·4.

Deaths registered in these towns during the month numbered 3001, 1536 being of males and 1465 of females. Compared with the number registered in the previous month, deaths of males are 101 more, but those of females are 113 fewer. These 3001 deaths include those of 271 persons with usual residence outwith the town of registration, but exclude those of 129 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 142, falls to be deducted to get the corrected number for the month, which is thus found to be 2859. This number is 48 less than that of the previous month, but is 378 more than the mean of those of the three preceding months.

The monthly death-rate, based on the corrected number, is 14·2 per thousand. It is 0·7 less than that of the previous month, and 0·5 less than that of the corresponding month of last year, but is 1·6 more than the mean of those of the three preceding months. In the individual towns the monthly death-rate varied from 17·8 in Dundee, 16·8 in Aberdeen, and 15·0 in Motherwell and Wishaw, to 10·6 in Falkirk, 10·7 in Perth, and 10·9 in Dunfermline. In Paisley this rate was 14·5, in Glasgow 14·4, in Coatbridge 14·4, in Greenock 13·8, in Kilmarnock 13·8, in Clydebank 13·4, in Edinburgh 12·8, in Kirkcaldy 11·9, in Hamilton 11·6, and in Ayr 11·4.

Deaths of children of less than one year old numbered 579. This number is 70 more than that of the previous month, and 164 more than the mean of those of the three preceding months. The infantile mortality rate of the month is 113 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is 11 more than that of the previous month, 32 more than the mean of those of the three preceding months, and 18 more than that of December of last year. In the individual towns this rate varied from 223 in Motherwell and Wishaw, 208 in Coatbridge, 157 in Hamilton, and 131 in Clydebank, to 39 in Kirkcaldy, 50 in Perth, 53 in Ayr, and 58 in Dunfermline. In Aberdeen it was 127, in Glasgow 120, in Paisley 111, in Greenock 105, in Dundee 96, in Kilmarnock 91, in Falkirk 86, and in Edinburgh 78.

Deaths from the principal epidemic diseases numbered 236, and equalled a death-rate of 1·2 per thousand. These deaths number 13 more than in the previous month, and 74 more than the mean of the numbers of the three preceding months. This death-rate is 0·1 more than that of the previous month, 0·4 more than the mean of those of the three preceding months, and 0·2 more than that of the corresponding month of last year. These deaths include 3 from enteric fever, 92 from measles, 20 from scarlet fever, 53 from whooping-cough, 34 from diphtheria, and 34 from the diarrhoeas of childhood. Compared with the number in the previous month, deaths from the diarrhoeas of childhood are 6 fewer, and those from enteric fever are 2 fewer, but those from whooping-cough and diphtheria each number 1 more, those from scarlet fever 2 more, and those from measles 17 more.

Deaths from influenza in all numbered 18. In September these deaths numbered 8, in October 15, and in November 37.

Deaths from all forms of respiratory disease, other than phthisis, and exclusive of those associated with influenza, numbered 587, which is 56 less than in the previous month, but 161 more than the mean of the numbers of the three preceding months. Of these deaths, 330 were ascribed to pneumonia, and 220 to bronchitis, the former being 45 fewer than in the previous month, and the latter 2 fewer.

Deaths from all forms of tuberculosis numbered 231, of which 168 were ascribed to tuberculosis of the respiratory system, the former number being 15 more than those of the previous month, and 10 more than the mean of those of the three preceding months, while the latter were 24 more than those of the previous month, and 19 more than the mean of the numbers of the three preceding months.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

DECEMBER 1922.

Mean barometric pressure, 29.606 in.; less than the average of 1881-1915 by 0.136 in.

Mean temperature, 41.3° ; greater by 2.6° .

Mean daily range of temperature, 7.9° ; less by 1.2° .

Rain, depth in inches, 3.48; less by 0.55 in.

Wind, direction of: a 5 days' excess of south-westerly winds.

Hence the month was characterised by a low mean pressure; a high mean temperature, with a low mean daily range; a rather low mean rainfall; and a large excess of south-westerly winds.

An anticyclone which had been in evidence over, or near, Southern England since about the middle of November persisted until about December 15th, but thereafter a succession of very deep depressions over the North-East Atlantic caused unsettled and stormy conditions. From 18th onwards pressure was abnormally low. At Edinburgh, at sea-level, extremes were 30.38 in. on 10th and 28.49 in. on 30th.

During the first half of the month the weather was for the most part of an extremely mild type, as had been the case throughout the greater part of November, but thereafter temperature differed little from the normal. Occasional touches of cold were of brief duration. The mean temperature for the month was decidedly above the average, though considerably below that for December 1921. The extremes were 57° at Gordon Castle and elsewhere on 12th or 13th, and 15° at Balmoral on 11th.

The first half of the month was dry towards the east, but rather wet in the west (2.84 in. at Ardgour on 12th), whilst during the second half rain was very general, though heavy falls were largely confined to western districts. The most widespread falls occurred on 22nd (2.14 in. at Leadhills), and on 25th (2.55 in. at Glen Etive and 2.18 in. at Killin). On the night of 29th rather heavy falls were experienced in east and south. Aggregates for the month were rather below the normal over a large part of Scotland, but here and there in both north-west and south-east there was a moderate excess.

Snow, hail, and sleet were frequent during the second half of the month, and snow lay over considerable areas in western and central districts on 27th or 28th, though it soon melted except on high ground, where some drifting occurred.

Thunder occurred locally, and more particularly in the west, on 18th, 21st, 22nd, 25th, 26th, 27th and 29th.

Gales were experienced on 5th, 12th, and frequently from 18th onwards, more especially on 22nd and 25th.

The month was on the whole cloudy.

Aurora was observed at Gordon Castle on 14th and at Fort Augustus on 30th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 96.

Abstract.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, DECEMBER 1922.

TOWNS.	POPULATION.		BIRTHS.						DEATHS.					
	Census 1921.	Estimated to middle of 1922.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	MARRIAGES.	Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . .	1,034,069	1,037,800	1157	1154	2311	2156	155	742	714	623	1337	118	51	1270
EDINBURGH, . .	420,281	420,500	349	338	687	621	66	247	239	280	519	71	9	457
DUNDEE, . .	168,217	167,600	177	157	334	310	24	140	120	140	260	9	3	254
ABERDEEN, . .	158,969	158,700	163	180	348	306	42	201	109	119	228	16	15	227
PAISLEY, . .	84,837	85,000	98	74	172	164	8	54	54	53	107	3	1	105
GREENOCK, . .	81,120	81,800	101	77	178	171	7	56	58	37	95	5	6	96
MOTHERWELL AND WISHAW, .	68,869	69,300	68	65	133	126	7	56	48	33	81	0	7	88
CLYDEBANK, . .	46,515	47,500	47	39	86	83	3	21	25	19	44	0	10	54
COATBRIDGE, . .	43,909	44,000	56	43	99	96	3	20	24	28	52	1	3	54
DUNFERMLINE, .	39,886	41,000	27	29	56	53	3	19	22	22	44	10	4	38
KIRKCALDY, . .	39,591	39,600	30	50	80	75	5	22	19	21	40	5	5	40
HAMILTON, . .	39,420	39,500	52	44	96	94	2	21	22	12	34	0	5	39
KILMARNOCK, .	35,756	35,900	41	47	88	85	3	36	20	26	46	8	4	42
AYR, . .	35,741	36,100	29	37	66	58	8	30	20	21	41	7	1	35
FALKIRK, . .	33,312	33,300	26	35	61	60	1	19	23	10	33	6	3	30
PERTH, . .	33,208	33,000	31	29	60	50	10	19	19	21	40	12	2	30
TOTAL . . (SIXTEEN TOWNS)	2,363,700	2,370,600	2457	2398	4855	4503	347	1803	1536	1465	3001	271	129	2859

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, DECEMBER 1922.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popula- tion.	DEATH-RATES PER 1000 of POPULATION FROM					DEATHS UNDER ONE YEAR OF AGE.		
				All Causes.		Principai Epidemic Diseases.	All Tu- ber- culosis.	Tuber- culosis of Respi- ratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . .	26.2	6.7	8.4	15.2	14.4	0.6	1.2	0.9	3.5	292	120
EDINBURGH, . .	19.2	9.6	9.7	14.5	12.8	1.0	1.1	0.8	2.0	60	78
DUNDEE, . .	23.5	7.2	9.8	18.3	17.8	4.2	1.0	0.8	2.3	35	96
ABERDEEN, . .	25.8	12.1	14.9	16.9	16.8	4.2	0.8	0.6	1.6	44	127
PAISLEY, . .	23.8	4.7	7.5	14.8	14.5	0.6	1.2	0.8	2.1	20	111
GREENOCK, . .	25.6	3.9	8.1	13.7	13.8	0.1	1.7	1.0	3.3	20	105
MOTHERWELL AND WISHAW, .	22.6	5.3	9.5	13.8	15.0	1.2	0.5	0.2	5.1	33	223
CLYDEBANK, . .	21.3	3.5	5.2	10.9	13.4	2.0	2.2	2.0	2.7	13	131
COATBRIDGE, .	26.5	3.0	5.3	13.9	14.4	0.5	1.1	0.5	5.6	21	208
DUNFERMLINE,	16.1	5.4	5.5	12.6	10.9	0.0	1.1	1.1	2.6	4	58
KIRKCALDY, .	23.8	6.3	6.5	11.9	11.9	0.0	0.9	0.6	1.5	3	39
HAMILTON, . .	28.6	2.1	6.3	10.1	11.6	0.6	1.2	0.6	3.6	14	157
KILMARNOCK,	28.9	3.4	11.8	15.1	13.8	0.3	1.6	0.7	3.9	7	91
AYR, . .	21.6	12.1	9.8	13.4	11.4	0.7	1.0	0.7	1.6	4	53
FALKIRK, . .	21.5	1.6	6.7	11.7	10.6	0.4	1.1	0.4	1.8	6	86
PERTH, . .	21.4	16.7	6.8	14.3	10.7	0.0	1.1	0.7	2.5	3	50
TOTAL . . (SIXTEEN TOWNS)	24.1	7.1	9.0	14.0	14.2	1.2	1.1	0.8	2.9	579	112

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR DECEMBER 1922, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM									Infantile Mortality Rate.	Mean Temperature. (Seven Towns only.)
					(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
(1)	(2)	(3)	(4)	(5)											
DEC. 1922,	24·1	7·1	9·0	14·2	3	0	92	20	53	34	34	113	41°·3		
DEC. 1921,	26·1	6·3	10·0	14·7	2	0	77	14	26	32	43	89	43°·3		
DEC. 1920,	27·3	8·5	13·2	17·6	3	4	12	10	36	36	47	119	38°·7		
DEC. 1919,	33·0	7·3	14·4	15·5	3	0	60	19	20	47	49	122	38°·9		
DEC. 1918,	19·4	9·8	10·8	17·7	3	0	3	9	55	40	32	129	41°·1		
DEC. 1917,	18·2	9·2	9·8	14·5	7	0	64	8	54	50	45	124	37°·0		
DEC. 1916,	21·1	8·5	9·2	17·5	5	0	51	14	34	25	54	122	37°·7		
DEC. 1915,	23·2	6·9	11·2	19·6	3	0	106	73	17	65	56	126	38°·0		
DEC. 1914,	25·7	7·0	10·0	18·9	11	0	19	71	156	66	60	147	37°·9		
DEC. 1913,	27·2	6·9	10·5	18·1	6	0	184	45	26	62	56	157	39°·8		
DEC. 1912,	26·4	7·8	11·7	19·9	5	2	20	22	108	33	57	166	41°·3		

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—December 1922.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85-
Enteric Fever	3	3	3	—	—	—	1	1	1	—	—	—	—	—	—
Typhus Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Small-pox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	92	47	45	21	66	5	—	—	—	—	—	—	—	—	—
Scarlet Fever	20	11	9	—	13	4	—	—	—	—	—	—	—	—	—
Whooping-cough	53	28	25	21	32	—	—	1	1	—	—	1	—	—	—
Diphtheria	34	14	20	2	23	6	—	—	—	—	—	—	—	—	—
Influenza	18	8	10	1	—	—	—	—	—	—	—	—	—	—	5
Encephalitis Lethargica	4	3	1	1	—	1	—	—	—	1	4	1	4	2	—
Cerebro-spinal Meningitis	11	7	4	6	1	—	3	1	—	—	—	1	1	—	—
Other Epidemic Diseases	13	5	8	2	2	—	1	—	2	1	2	3	—	—	—
Tuberculosis of Respiratory System	168	82	86	—	4	2	7	38	41	27	29	17	3	—	—
Tuberculous Meningitis	22	11	11	3	13	2	3	1	—	—	—	—	—	—	—
Tuberculosis of Intestines and Peritoneum	14	8	6	2	6	1	1	1	—	—	—	1	1	1	—
Other Tuberculous Disease	27	19	8	2	7	2	1	8	1	—	—	3	3	—	—
Malignant Tumours	279	128	151	1	—	1	—	1	3	18	59	90	71	32	3
Rheumatic Fever	12	4	8	—	1	2	3	5	—	—	1	—	—	—	—
Meningitis (not Cer.-spin. or Tuberc.)	15	8	7	6	4	2	1	—	—	—	1	1	—	—	—
Apoplexy	236	101	135	1	—	1	1	1	2	1	3	28	52	74	64
Heart Disease	250	120	130	2	1	1	2	5	9	25	26	48	73	54	4
Diseases of Arteries	30	15	15	—	—	—	—	—	—	—	—	1	5	11	2
Bronchitis	220	124	96	67	14	—	1	1	1	1	4	21	29	50	27
Pneumonia (all forms)	330	193	137	144	78	4	2	13	7	16	8	25	18	13	2
Other Diseases of Respiratory System	37	20	17	6	4	1	1	2	—	4	6	6	3	4	—
Diarrhoea and Enteritis (under 2 years)	34	24	10	27	7	—	—	—	—	—	—	—	—	—	—
Appendicitis	27	13	14	—	—	2	5	6	3	1	6	1	2	1	—
All Diseases of Liver (not Malignant)	18	7	11	—	1	—	—	1	1	4	4	3	3	1	—
Nephritis, Acute and Chronic	73	42	31	1	—	—	1	6	2	9	16	18	13	5	2
Puerperal Sepsis	9	—	9	—	—	—	—	2	4	3	—	—	—	—	—
Other Dis. & Accidents of Preg. & Part.	16	—	16	—	—	—	—	3	3	10	—	—	—	—	—
Diseases of Early Infancy and Malform.	213	119	94	212	—	1	—	—	—	—	—	—	—	—	—
Suicide	10	5	5	—	—	—	—	—	—	—	2	3	—	—	—
Other Violent Deaths	86	50	36	3	18	4	4	6	5	7	7	12	13	6	1
Other Defined Diseases	441	213	228	43	15	7	9	14	30	33	51	54	66	80	39
Causes Ill-defined or Unknown	44	30	14	5	—	1	—	—	1	6	8	8	7	8	—
	2859	1459	1400	579	310	50	50	120	119	177	282	384	413	308	67

DEATHS IN EACH TOWN (corrected for Transfers) - December 1922.

CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	3	1	...	...	...	...	...	...	1
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	92	5	6	36	47	3	...	2	...
Scarlet Fever	...	20	5	6	4	3	...	...	1	1
Whooping-cough	...	53	24	12	6	...	3	...	2	6
Diphtheria	...	34	13	6	7	3	1	1	1	...
Influenza	...	18	8	4	1	...	1	1	...	...
Encephalitis Lethargica	...	4	1	1	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	11	9	1	...	1	...	1	1	...
Other Epidemic Diseases	...	13	11	...	...	...	...	...	...	...
Tuberculosis of Respiratory System	...	168	79	30	12	8	6	7	1	8
Tuberculous Meningitis	...	22	6	4	...	...	3	3	1	1
Tuber. of Intestines and Peritoneum	...	14	5	2	1	1	...	1	1	...
Other Tuberculous Disease	...	27	16	2	1	2	...	1	...	...
Malignant Tumours	...	279	116	58	22	28	9	8	6	2
Rheumatic Fever	...	12	6	1	3	...	...	1	1	...
Meningitis (not Cerebro-spinal or Tuber.)	...	15	10	2	1	...	...	1	...	...
Apoplexy	...	236	101	41	20	16	6	7	6	6
Heart Disease	...	250	98	55	24	14	12	8	8	5
Diseases of Arteries	...	30	8	9	6	5	...	1	...	...
Bronchitis	...	220	104	27	16	6	5	10	15	4
Pneumonia (all forms)	...	330	185	39	17	12	9	11	15	6
Other Diseases of Respiratory System	...	37	18	5	...	3	1	2	...	1
Diarrhoea and Enteritis (under 2 years)	...	34	13	5	7	4	...	...	1	...
Appendicitis	...	27	14	1	2	5	...	2	...	...
All Diseases of Liver (not Malignant)	...	18	4	3	...	3	...	1	2	...
Nephritis, Acute and Chronic	...	73	47	8	7	7	1	...	1	...
Puerperal Sepsis	...	9	5	1	2	1	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	16	8	1	3	1	...	...	...	1
Dis. of Early Infancy and Malformations	...	213	102	27	13	17	12	8	8	3
Suicide	...	10	1	6	...	1	1	...	1	...
Other Violent Deaths	...	86	40	12	10	4	3	3	2	...
Other Defined Diseases	...	441	189	76	28	32	30	18	11	8
Causes Ill-defined or Unknown	...	44	23	6	5	3	2	...	1	1
All Causes		2859	1270	457	254	227	105	96	88	54
AGE AT DEATH.										
Under 1	...	579	292	60	35	44	20	20	33	13
1-4	...	310	116	33	53	46	8	8	11	10
5-9	...	50	21	5	9	2	3	4	1	...
10-14	...	50	34	6	1	2	1	2	...	...
15-24	...	120	69	13	6	7	6	3	1	1
25-34	...	119	54	21	8	4	3	9	6	8
35-44	...	177	83	24	17	6	10	6	7	4
45-54	...	282	132	60	27	25	4	6	4	1
55-64	...	384	169	77	33	21	12	14	8	7
65-74	...	413	177	71	35	33	19	15	9	5
75-84	...	308	107	64	28	30	11	9	7	4
85 and over	...	67	16	23	2	7	8	...	1	1
All Ages		2859	1270	457	254	227	105	96	88	54

DEATHS IN EACH TOWN (corrected for Transfers)—December 1922—continued.

		CAUSES OF DEATH.		Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	1	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	1	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...
Whooping-cough	...	...	...	...	...	...	1	...	...	...	...
Diphtheria	...	...	...	...	...	...	...	...	...	1	...
Influenza...	...	...	...	...	...	...	...	1	...	1	1
Encephalitis Lethargica	...	...	1	...	...	...	1	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System	...	2	4	2	2	2	2	2	1	2	2
Tuberculous Meningitis	...	1	...	...	2	...	...	...	...	...	1
Tuber. of Intestines and Peritoneum	...	...	...	...	...	...	1	1	1	1	...
Other Tuberculous Disease	...	1	...	1	...	...	2	3	1	1	...
Malignant Tumours	...	5	2	4	6	3	3	3	2	2	5
Rheumatic Fever	...	...	...	...	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	...	...	...	...	...	1	...	...	...	...
Apoplexy	...	4	5	5	...	...	5	5	5	2	7
Heart Disease	...	1	3	6	1	1	5	7	2	2	1
Diseases of Arteries	...	...	...	...	...	...	...	...	...	1	...
Bronchitis	...	11	4	1	3	7	3	3	3	1	3
Pneumonia (all forms)	...	10	3	3	8	2	2	2	2	4	4
Other Diseases of Respiratory System	...	...	2	1	1	1	3	...	...	...	...
Diarrhoea and Enteritis (under 2 years)	...	1	...	...	1	1	1	1	1	...	...
Appendicitis	...	...	2	...	...	...	...	...	1	...	...
All Diseases of Liver (not Malignant)	...	1	2	1	1	1	1	1	...	...	...
Nephritis, Acute and Chronic...	...	...	...	1	...	...	...	...	...	...	1
Puerperal Sepsis	...	...	...	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	1	...	...	...	...	...	1	...	...
Dis. of Early Infancy and Malformations	...	4	3	2	4	5	5	1	3	1	1
Suicide	...	...	...	...	...	...	...	...	...	...	...
Other Violent Deaths	...	...	1	5	2	1	1	1	2	...	...
Other Defined Diseases	...	11	6	6	6	3	6	6	7	4	4
Causes Ill-defined or Unknown	...	...	...	2	...	...	...	...	...	1	...
All Causes		...	54	38	40	39	42	35	30	30	30
AGE AT DEATH.											
Under 1	...	...	...	21	4	3	14	7	4	6	3
1-4	...	...	...	6	...	3	4	5	2	2	3
5-9	...	...	...	2	1	...	1	...	1	...	...
10-14	...	...	...	1	...	...	2	...	...	1	...
15-24	...	...	...	2	3	3	...	3	...	1	2
25-34	...	...	...	1	3	...	...	1	...	1	...
35-44	...	...	...	2	3	4	1	3	4	1	2
45-54	...	...	...	2	5	5	3	2	3	2	1
55-64	...	...	...	6	2	8	3	6	6	7	5
65-74	...	...	...	5	10	6	5	9	5	4	5
75-84	...	...	...	6	7	6	6	4	7	5	7
85 and over	...	...	...	...	...	2	...	2	3	...	2
All Ages		...	54	38	40	39	42	35	30	30	30

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of DECEMBER 1922.

OBSERVERS.	BARO-METER. Mean at Sea-Level and 32°.	AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS.									
		Mean of Minimum (B.)	Mean of Maximum (A.)	Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Days.	Number of Observations at 9 A.M. and 9 P.M.								
				Day of Month.	Day of Month.	Depression of Wet Bulb.	Humidity.		N NNE E SSE S SW W NW								
									N	NNE	E	SSE	S	SW	W	NW	
GLASGOW.	..	inch.	inch.	°	°	°	°	..	..	..	..	..	..	..	..	..
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	29.131	29.614	45.1	37.5	41.3	+2.4	55	13th	30	10th	41.0	2.0	21.6	84	19	2.68 +0.54	
DUNDEE, JOHN CARNCHAN, Curator of Cemeteries.	29.410	29.594	43.9	35.2	39.6	+2.0	53	13th	28	28th	39.3	0.9	22.3	93	19	1.87 -0.79	
ABERDEEN,* The Meteorological Office.	29.461	29.563	44.3	37.9	41.1	+2.5	55	5, 13	29	16th	41.3	1.6	22.7	88	17	2.30 -0.92	
PAISLEY, The Coats Observatory.	29.511	29.632	46.0	38.5	42.3	+2.4	54	13th	32	16th	42.2	1.5	23.7	89	23	4.47 -0.58	
LEITH.†	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GREENOCK,† DANIEL MACALISTER, C.E., Greenock Waterworks.	29.368	29.629	45.8	39.6	42.7	+3.3	53	12th	33	18, 30	42.4	1.6	23.9	88	25	7.10 -0.79	
PERTH,† ALEX. M. RODGER, The Museum.	29.577	29.602	46.0	35.1	40.6	+3.1	56	12th	25	10th	17	2.45 -0.78	
Means	176	29.410	29.606	45.2	37.3	41.3	+2.6	41.2	1.5	22.8	88	20	3.48 -0.55	

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North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58' Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'. West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 2° 7'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

* At King's College at 7 A.M. and 6 P.M.
† At 9 A.M. only.